

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2000 WHITE

2000 White is a mixture of Zirconium Silicate, Quartz and Aluminum Silicate.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200

GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress. May cause cancer via inhalation. Causes damage to lungs through prolonged or repeated exposure by inhalation.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name	CAS Registry Number	Typical Weight %	GHS Classification
ZIRCONIUM SILICATE	14940-68-2	96-97	Not classified
QUARTZ	14808-60-7	2-3	Carcinogen Category 1A STOT Rep Exp Category
1*			
ALUMINUM SILICATE	1302-76-7	<2.0	Not classified

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Induce vomiting immediately as directed by medical personnel. Immediately call a POISON CENTER/doctor. Never give anything by mouth to an unconscious person. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Remove to fresh air. Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

Most important symptoms/effects, acute and delayed: Particulates may cause abrasive eye injury. Inhalation of dust may cause respiratory tract irritation. Symptoms of exposure may include cough, sore throat, nasal congestion, sneezing, wheezing and shortness of breath. Prolonged inhalation of crystalline silica above certain concentrations may cause lung diseases, including silicosis and lung cancer.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII. Stop the leak, if possible. Ventilate the area involved. Sweep up, place in container for recovery or disposal. Reduce dust spreading with water spray. Prevent waterway contamination. Protect workers with water spray. Collect run-off water and

transfer to drums or tanks for later disposal. Avoid creating dust. Dispose of in accordance with federal, state and local regulations.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed. This material is not hazardous under normal storage conditions. However, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Silicate (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Silica, Crystalline (SiO ₂)	0.1	10	0.05

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available. Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY: This material is chemically stable under normal storage and handling conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Zircon sand will disassociate to Zirconium Dioxide (ZrO₂) and Silicon Dioxide (SiO₂) when heated above 1540 degrees Celsius.

SECTION XI - TOXOLOGICAL INFORMATION

Potential Health Effects

INHALATION: May cause respiratory tract irritation.

INGESTION: May be harmful if swallowed.
SKIN: May cause skin irritation.
EYES: May cause eye irritation.

Data on this material and/or its components are summarized below.

Zirconium Silicate

Following single or repeated intraperitoneal doses, this material was considered to be physiologically inert. Following repeated inhalation exposure to dust of this material, radiographic lung shadows were reported in rats; however, histological examination of the lung tissues showed no changes. Following implantation of a disc of this material into the muscle tissue of rabbits, histological examination of the surrounding tissues did not show any effects that were different from other materials used in medical implants. This material contains trace quantities of naturally occurring radioactive uranium, thorium and radium (106-120 Pico curies/gram). Overexposure to respirable dusts containing radioactive uranium, thorium and radium may cause lung cancer. (Zircon is exempt from NRC regulations for source material per 10 CFR 40, since it falls under the definition of material containing less than 0.05% uranium or thorium. However, calculations show that observance of 2.2-2.8 mg/m³ of respirable dust will, under voluntary guidelines, ensure that intake is less than 10% of the annual limits on intake (ALIS) specified in 10 CFR 20.1502(B) and NRC standards for protection against uranium, thorium, radium and radioactive daughter decay products.

Zirconium and Zirconium Compounds

Single exposure (acute) studies indicate that zirconium and zirconium compounds are slightly toxic to mice, rats and guinea pigs if swallowed (LD₅₀ 990 to 2290 mg/kg (insoluble zirconium salts)) and practically non-toxic to rats, guinea pigs, rabbits, cats and dogs if inhaled (LC₅₀ >6 mg/l).

Aluminum Silicate

Workers exposed to a hydrated clay of this material have been reported to have experienced lung effects ranging from mild pneumoconiosis, a disabling lung change, to progressive pulmonary fibrosis and emphysema. Exposure to the anhydrous form of this material used for refractory and porcelain manufacture has been reported to cause interstitial pulmonary fibrosis in workers and in experimental animals: these findings are complicated by the presence of cristobalite. Another report has indicated that occupational exposure to this material in kitty litter dust caused pulmonary fibrosis: however, further evaluation of these workers and lack of pulmonary toxicity in animals from instillation of this material in the lungs suggests that smoking behaviour may have been the most significant causative factor. Oral administration of aluminum silicate to dogs and rats showed no evidence of toxicity to kidneys or other organs. In vitro studies and long-term inhalation studies with this material have shown aluminum silicate to be less cytotoxic and carcinogenic than other inorganic fiber dusts. Other studies have suggested an association between aluminum and neurological degenerative diseases, including Alzheimer's disease, dialysis dementia and reduced neural-motor functions. In aluminum sensitive animal species, such as cats and rabbits, a pathological change noted in neurons is an accumulation of neurofibrillary tangles. Neurofibrillary tangles and increased brain levels of aluminum are also observed in patients with Alzheimer's disease and dialysis dementia: however, these tangles are associated with a variety of neurological disorders. Because there are scientific questions regarding these studies, the causative association between aluminum and these disorders has not been demonstrated. In a study of occupationally exposed workers to aluminum dusts, no increased mortality from Alzheimer's disease or other neurological diseases was noted.

Quartz

Chronic inhalation of crystalline silica may cause a progressive pneumoconiosis (silicosis), a form of disabling lung disease (pulmonary fibrosis). Data from animal studies on crystalline forms of silica confirm the capacity of free crystalline silica to induce fibrinogenic response in lungs. Studies on a variety of laboratory animals (rats, guinea pigs, rabbits and monkeys) using inhalation as well as intratracheal routes of exposure indicate the ability of crystalline silica to

produce silicosis similar to that seen in humans. In addition, experiments in animals have confirmed human experience that the presence of crystalline silica in the lung increased susceptibility to tuberculosis and other lung infections. Crystalline silica inhaled in the form of quartz is classified as "carcinogenic to humans" by the International Agency for Research on Cancer (IARC), and respirable forms of crystalline silica are listed as substances that "may reasonably be anticipated to be carcinogens" by the National Toxicology Program. The IARC listing is based on the determination that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz from occupational exposures. Epidemiology studies cited by IARC give indications of increased risk for lung cancer from inhaled crystalline silica (quartz) resulting from occupational exposure. Studies involving heavy industrial exposure to silica in granite and foundry workers, brick factories and sandblasting produced increased levels of protein and enzymes in urine, which is indicative of kidney damage.

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY Zirconium is moderately toxic to green algae (96-hr EC50 2.6 mg/l), no more than slightly toxic to rainbow trout (96-hr LC50 >20 mg/l), slightly to moderately toxic to bluegill sunfish (96-hr LC50 15-240 mg/l) and slightly toxic to practically non-toxic to fathead minnow (96-hr LC50 14-115 mg/l).

DEGRADABILITY Zirconium is an element and will not degrade. It occurs in the environment in insoluble forms which remain unavailable to living organisms.

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

Quartz

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

Aluminum silicate

Quartz

Zirconium Silicate

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

Quartz

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

Quartz

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

Quartz

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

Quartz

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

Aluminum silicate

Quartz

Zirconium Silicate

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

Quartz

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

Quartz

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

Aluminum silicate

Quartz

Zirconium Silicate

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2001 STEEL GRAY

2001 Steel Gray , Cobalt Nickel Gray Periclase, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Nickel (II) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of periclase.

Company Information

Spectrum Glazes Inc.
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Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

COBALT NICKEL GRAY PERICLASE
CAS No. 68186-89-0
Index No. C.I. 77332

C.I. Pigment Black 25 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Nickel, Metal (as N)	0.2	1.0	0.015
Zirconium Compounds (as Zr)	10 (total)	15 (total)	5
	5 (respirable)	5 (respirable)	15 min.C

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2002 BLUE GRAY

2002 Blue Gray is a mixture of Cobalt Nickel Gray Periclase and Zircon Vanadium Blue Zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
COBALT NICKEL GRAY PERICLASE	C.I. Pigment Black 25	97	68186-89-0	C.I. 77332
ZIRCONIUM VANADIUM BLUE ZIRCON	C.I. Pigment Yellow 71	3	68186-95-8	C.I. 77998

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Nickel, Metal (as N)	0.2	1.0	0.015
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2003 IRON BLACK

2003 Iron Black , Chrome Iron Manganese Brown Spinel, is a reaction product of high temperature calcination in which Chromium (III) Oxide, Iron (II & III) Oxide and Manganese (II & III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME IRON MANGANESE BROWN SPINEL

C.I. Pigment Brown 46

100%

CAS No. 68186-96-9

Index No. C.I. 774945

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELS mg/m ³	NOISHA RELs mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Iron Oxide Fume	5	10	5
Manganese Compound (Mn)	0.2	5	1

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL N/A

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2004 HI TEMP BLACK

2004 Hi Temp Black , Iron Cobalt Chromite Black Spinel, is a reaction product of high temperature calcination in which Iron (II) Oxide, Cobalt (II) Oxide Iron (III) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel. its composition may include any of the modifiers MnO₂ or NiO.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word: WARNING

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

IRON COBALT CHROMITE BLACK SPINEL

C.I. Pigment Black 27

100%

CAS No. 68186-97-0

Index No. C.I. 77502

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m3	mg/m3	mg/m3
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Iron Oxide Fume	5	10	5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
		5 (respirable)	
Nickel, Metal (as Ni)	0.2	1	0.015
Manganese Compound (as Mn)	0.2	5	1

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.
OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.
WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A	MELTING POINT: N/A
VAPOUR PRESSURE: N/A	
SPECIFIC VAPOUR DENSITY	SPECIFIC GRAVITY: N/A
SOLUBILITY IN WATER: N/A	REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.
ORAL The summated LD50 (male and female rats) > 2000 mg/kg.
INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air
This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY	No Data
DEGRADABILITY	No Data
MOBILITY	No Data
BIOACCUMUATIVE	No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.
EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2005 COBALT BLACK

2005 Cobalt Black , Iron Cobalt Chromite Black Spinel, is a reaction product of high temperature calcination in which Iron (II) Oxide, Cobalt (II) Oxide Iron (III) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel. its composition may include any of the modifiers MnO₂ or NiO.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

IRON COBALT CHROMITE BLACK SPINEL
CAS No. 68186-97-0
Index No. C.I. 77502

C.I. Pigment Black 27 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Iron Oxide Fume	5	10	5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
		5 (respirable)	
Nickel, Metal (as Ni)	0.2	1	0.015
Manganese Compound (as Mn)	0.2	5	1

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2010 CORAL

2010 Coral , Zirconium Iron Pink Zircon, is a reaction product of high temperature calcination in which Zirconium (IV) Oxide, Silicon (IV) Oxide and Iron (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

ZIRCONIUM IRON PINK ZIRCON
CAS No. 68186-89-0
Index No. C.I. 77996

C.I. Pigment Red 232 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Zirconium Compounds (as Zr)	10 (total)	15 (total)	5
Iron Oxide Fume	5	10	5

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2011 DEEP CORAL

2011 Deep Coral , Zirconium Iron Pink Zircon, is a reaction product of high temperature calcination in which Zirconium (IV) Oxide, Silicon (IV) Oxide and Iron (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

ZIRCONIUM IRON PINK ZIRCON
CAS No. 68186-89-0
Index No. C.I. 77996

C.I. Pigment Red 232 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Zirconium Compounds (as Zr)	10 (total)	15 (total)	5
Iron Oxide Fume	5	10	5

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2012 BURNT ORANGE

2012 Burnt Orange , Zinc Iron Chromite Brown Spinel, is a reaction product of high temperature calcination in which Zinc (III) Oxide, Iron (II) Oxide, Iron (III) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

ZINC IRON CHROMITE BROWN SPINEL
CAS No. 68186-88-9
Index No. C.I. 77503

C.I. Pigment Brown 33 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	10	5
Iron Oxide Fume	5	10	5
Zinc Oxide (as Zn) (total dust)	10	10 (total)	5
		5 (respirable)	

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.
OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.
WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2013 GOLDEN TAN

2013 Golden Tan is a mixture of Zinc Iron Chromite Brown Spinel and Zirconium Iron Pink Zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZINC IRON CHROMITE BROWN SPINEL	C.I. Pigment Brown 33	96	68186-88-9	77503
ZIRCONIUM IRON PINK ZIRCON	C.I. Pigment Red 232	4	68186-89-0	77996

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Chromium (III) Compounds (as Cr)	0.5	10	5
Iron Oxide Fume	5	10	5
Zinc Oxide (as Zn) (total dust)	10	10 (total) 5 (respirable)	5
Zirconium Compounds (as Zr)	10 (total)	15 (total)	5

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2014 HONEY

2014 Honey , Zinc Iron Chromite Brown Spinel, is a reaction product of high temperature calcination in which Zinc (III) Oxide, Iron (II) Oxide, Iron (III) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

ZINC IRON CHROMITE BROWN SPINEL
CAS No. 68186-88-9
Index No. C.I. 77503

C.I. Pigment Brown 33 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	10	5
Iron Oxide Fume	5	10	5
Zinc Oxide (as Zn) (total dust)	10	10 (total)	5
		5 (respirable)	

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2015 WALNUT BROWN

2015 Walnut Brown is a mixture of Zinc Iron Chromite Brown Spinel and Chrome Iron Manganese Brown Spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZINC IRON CHROMITE BROWN SPINEL	C.I. Pigment Brown 33	96	68186-88-9	77503
CHROME IRON MANGANESE BROWN SPINEL	C.I. Pigment Brown 46	4	68186-96-9	774945

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
 EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
 EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
 FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
 UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Iron Oxide Fume	5	10	5
Manganese Compound (Mn)	0.2	5	1
Zinc Oxide (as Zn) (total dust)	10	10 (total)	5
		5 (respirable)	

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) N/A

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY	No Data
DEGRADABILITY	No Data
MOBILITY	No Data
BIOACCUMUATIVE	No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies

to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2016 FRENCH BROWN

2016 French Brown is a mixture of Zinc Iron Chromite Brown Spinel and Chrome Iron Manganese Brown Spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZINC IRON CHROMITE BROWN SPINEL	C.I. Pigment Brown 33	99	68186-88-9	77503
CHROME IRON MANGANESE BROWN SPINEL	C.I. Pigment Brown 46	1	68186-96-9	774945

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Iron Oxide Fume	5	10	5
Manganese Compound (Mn)	0.2	5	1
Zinc Oxide (as Zn) (total dust)	10	10 (total) 5 (respirable)	5

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL

N/A

INHALATION

N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY

No Data

DEGRADABILITY

No Data

MOBILITY

No Data

BIOACCUMUATIVE

No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2020 BRIGHT YELLOW

2020 Bright Yellow , Zirconium Praseodymium Yellow Zircon, is a reaction product of high temperature calcination in which Zirconium (IV) Oxide and Praseodymium (III & IV) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON

C.I. Pigment Yellow 159

100%

CAS No. 68187-15-5

Index No. C.I. 77997

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELS mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Silica, Crystalline (SiO ₂)	0.1	10	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.5 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY	No Data
DEGRADABILITY	No Data
MOBILITY	No Data
BIOACCUMUATIVE	No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2021 ZIRCONIUM YELLOW

2021 Zirconium Yellow is a mixture of Zirconium Praseodymium Yellow Zircon and Zirconium Vanadium Yellow Baddeleyite

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition	%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON C.I. Pigment Yellow 159	57	68187-15-5	C.I. 77997
ZIRCONIUM VANADIUM YELLOW BADDELEYITE C.I. Pigment Yellow 160	43	68187-01-9	C.I. 77991

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Iron Oxide Fume	5	10	5
Silica, Crystalline (SiO ₂)	0.1	10	0.05
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE
INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2022 VANADIUM YELLOW

2022 Vanadium Yellow , Zirconium Vanadium Yellow Baddeleyite, is a reaction product of high temperature calcination in which Zirconium (IV) Oxide and Vanadium (V) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of baddeleyite.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

ZIRCONIUM VANADIUM YELLOW BADDELEYITE

C.I. Pigment Yellow 160

100%

CAS No. 68187-01-9

Index No. C.I. 77991

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELS mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY	No Data
DEGRADABILITY	No Data
MOBILITY	No Data
BIOACCUMUATIVE	No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2023 MUSTARD

2023 Mustard is a mixture of Zirconium Praseodymium Yellow Zircon, Zirconium Vanadium Blue Zircon and Zirconium Iron Pink Zircon

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	41	68187-15-5	C.I. 77997
ZIRCONIUM VANADIUM BLUE ZIRCON	C.I. Pigment Blue 71	32	68186-95-8	C.I. 77998
ZIRCONIUM IRON PINK ZIRCON	C.I. Pigment Red 232	27	68186-89-0	C.I. 77996

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Iron Oxide Fume	5	10	5
Silica, Crystalline (SiO ₂)	0.1	10	0.05
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY	No Data
DEGRADABILITY	No Data
MOBILITY	No Data
BIOACCUMUATIVE	No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies

to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2030 LIME GREEN

2030 Lime Green is a mixture of Zirconium Praseodymium Yellow Zircon and Zirconium Vanadium Blue Zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	65	68187-15-5	C.I. 77997
ZIRCONIUM VANADIUM BLUE ZIRCON	C.I. Pigment Yellow 71	35	68186-95-8	C.I. 77998

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2031 CHARTREUSE

2031 Chartreuse is a mixture of Zirconium Praseodymium Yellow Zircon and Zirconium Vanadium Blue Zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	60	68187-15-5	C.I. 77997
ZIRCONIUM VANADIUM BLUE ZIRCON	C.I. Pigment Yellow 71	40	68186-95-8	C.I. 77998

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2032 BERMUDA

2032 Bermuda is a mixture of Zirconium Praseodymium Yellow Zircon and Zirconium Vanadium Blue Zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	67	68187-15-5	C.I. 77997
ZIRCONIUM VANADIUM BLUE ZIRCON	C.I. Pigment Yellow 71	33	68186-95-8	C.I. 77998

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2033 OLIVE GREEN

2033 Olive Green , Cobalt Chromite Green Spinel, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Composition

COBALT CHROMITE GREEN SPINEL
CAS No. 68187-49-5
Index No. C.I. 77344

C.I. Pigment Green 26 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Zinc Oxide (as Zn) (total dust)	10	10 (total)	5
		5 (respirable)	

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.
OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.
WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 10000 mg/kg

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2034 FLORENTINE

2034 Florentine , Cobalt Chromite Green Spinel, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

COBALT CHROMITE GREEN SPINEL
CAS No. 68187-49-5
Index No. C.I. 77344

C.I. Pigment Green 26 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Zinc Oxide (as Zn) (total dust)	10	10 (total)	5
		5 (respirable)	

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 10000 mg/kg

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2035 TEAL GREEN

2035 Teal Green , Cobalt Chromite Green Spinel, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

COBALT CHROMITE GREEN SPINEL
CAS No. 68187-49-5
Index No. C.I. 77344

C.I. Pigment Green 26 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Zinc Oxide (as Zn) (total dust)	10	10 (total)	5
		5 (respirable)	

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 10000 mg/kg

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2036 PEACOCK

2036 Peacock, Cobalt Chromite Green Spinel, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

COBALT CHROMITE GREEN SPINEL
CAS No. 68187-49-5
Index No. C.I. 77344

C.I. Pigment Green 26 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Zinc Oxide (as Zn) (total dust)	10	10 (total)	5
		5 (respirable)	

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 10000 mg/kg

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2040 TURQUOISE

2040 Turquoise , Zirconium Vanadium Blue Zircon, is a reaction product of high temperature calcination in which Zirconium (IV) Oxide and Vanadium (V) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

ZIRCONIUM VANADIUM BLUE ZIRCON
CAS No. 68186-95-8
Index No. C.I. 77998

C.I. Pigment Blue 71 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Zirconium Compounds (as Zr)	10 (total)	15 (total)	5
	5 (respirable)	5 (respirable)	15 min.C
Silica, Crystalline (SiO ₂)	0.1	10	0.05
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2041 SKY BLUE

2041 Sky Blue, Cobalt Aluminate Blue Spinel, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Aluminum (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

COBALT ALUMINATE BLUE SPINEL

C.I. Pigment Blue 28

100%

CAS No. 1345-16-0

Index No. C.I. 77346

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m3	OSHA PELS mg/m3	NOISHA RELs mg/m3
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total) 5 (respirable)	N/A
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 10000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2042 SLATE BLUE

2042 Slate Blue is a mixture of Cobalt Aluminate Blue Spinel and Zirconium Praseodymium Yellow Zircon

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
COBALT ALUMINATE BLUE SPINEL	C.I. Pigment Blue 28	72	1345-16-0	77346
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	28	68187-15-5	77997

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total) 5 (respirable)	N/A
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2043 BRIGHT BLUE

2043 Bright Blue, Cobalt Aluminate Blue Spinel, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Aluminum (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

COBALT ALUMINATE BLUE SPINEL
CAS No. 1345-16-0
Index No. C.I. 77346

C.I. Pigment Blue 28

100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSURE LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

ACGIH-TLVs

OSHA PELs

NOISHA RELs

	mg/m ³	mg/m ³	mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total)	N/A
		5 (respirable)	
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD₅₀ (male and female rats) > 10000 mg/kg.

INHALATION The summated LC₅₀ (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

QUARTZ

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2044 NAVY BLUE

2044 Navy Blue, Cobalt Aluminate Blue Spinel, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Aluminum (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS**Composition**

COBALT ALUMINATE BLUE SPINEL
CAS No. 1345-16-0
Index No. C.I. 77346

C.I. Pigment Blue 28 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total) 5 (respirable)	N/A
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD₅₀ (male and female rats) > 10000 mg/kg.

INHALATION The summated LC₅₀ (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2045 COBALT BLUE

2045 Cobalt Blue, Cobalt Silicate Blue Olivine, is a reaction product of high temperature calcination in which Cobalt (II) Oxide and Silicon (IV) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of olivine.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

COBALT SILICATE BLUE OLIVINE

C.I. Pigment Blue 73

100%

CAS No. 68187-40-6

Index No. C.I. 77364

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m3	mg/m3	mg/m3
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
COBALT, Metal, Dust & Fume (as Co)	0.02	0.5	N/A

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD₅₀ (male and female rats) > 1630 mg/kg.

INHALATION The summated LC₅₀ (male and female rats; 4 hours) > 5.3 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2050 PEACH

2050 Peach is a mixture of Chrome Tin Pink Sphene and Zircon Vanadium Yellow Baddeleyite.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
CHROME TIN PINK SPHENE	C.I. Pigment Red 233	59	68187-12-2	C.I. 77301
ZIRCONIUM VANADIUM YELLOW BADDELEYITE	C.I. Pigment Yellow 160	41	68187-01-9	C.I. 77991

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Tin Oxide (as Sn)	2.0	2.0	2.

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2051 SALMON

2051 Salmon is a mixture of Chrome Tin Pink Sphene and Zircon Vanadium Yellow Baddeleyite.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
CHROME TIN PINK SPHENE	C.I. Pigment Red 233	67	68187-12-2	C.I. 77301
ZIRCONIUM VANADIUM YELLOW BADDELEYITE	C.I. Pigment Yellow 160	33	68187-01-9	C.I. 77991

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Tin Oxide (as Sn)	2.0	2.0	2.

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2052 DEEP SALMON

2052 Deep Salmon is a mixture of Chrome Tin Pink Spheene and Zirconium Iron Pink Zircon.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
CHROME TIN PINK SPHENE	C.I. Pigment Red 233	41	68187-12-2	C.I. 77301
ZIRCONIUM IRON PINK ZIRCON	C.I. Pigment Red 232	59	68186-89-0	C.I. 77996

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Iron Oxide Fume	5	10	5
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Tin Oxide (as Sn)	2.0	2.0	2.

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2053 MEDIUM PINK

2053 Medium Pink, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE

C.I. Pigment Red 233

100%

CAS No. 68187-12-2

Index No. C.I. 77301

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other

materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2054 ROSE

2054 Rose, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE
CAS No. 68187-12-2
Index No. C.I. 77301

C.I. Pigment Red 233 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
QUARTZ

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2055 DEEP PINK

2055 Deep Pink, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE
CAS No. 68187-12-2
Index No. C.I. 77301

C.I. Pigment Red 233 100%

SECTION IV - FIRST AID MEASURES

.Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m3	mg/m3	mg/m3
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies

to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2056 DEEP CRIMSON

2056 Deep Crimson, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE
CAS No. 68187-12-2
Index No. C.I. 77301

C.I. Pigment Red 233 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies

to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2057 LILAC

2057 Lilac, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE
CAS No. 68187-12-2
Index No. C.I. 77301

C.I. Pigment Red 233 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2058 WINE

2058 Wine is a mixture of Chrome Tin Pink Sphene and Cobalt Aluminate Blue Spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
CHROME TIN PINK SPHENE	C.I. Pigment Red 233	95	68187-12-2	C.I. 77301
COBALT ALUMINATE BLUE SPINEL	C.I. Pigment Blue 28	5	1345-16-0	C.I. 77346

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total) 5 (respirable)	N/A
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Tin Oxide (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMULATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2059 BURGUNDY

2059 Burgundy, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE

C.I. Pigment Red 233

100%

CAS No. 68187-12-2

Index No. C.I. 77301

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other

materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2060 PURPLE

2060 Purple, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE

C.I. Pigment Red 233

100%

CAS No. 68187-12-2

Index No. C.I. 77301

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other

materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2061 ROYAL PURPLE

2061 Royal Purple is a mixture of Chrome Tin Pink Spinel and Cobalt Aluminate Blue Spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
CHROME TIN PINK SPHENE	C.I. Pigment Red 233	76	68187-12-2	C.I. 77301
COBALT ALUMINATE BLUE SPINEL	C.I. Pigment Blue 28	24	1345-16-0	C.I. 77346

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total) 5 (respirable)	N/A
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Tin Oxide (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2070 FLESH

2070 Flesh is a mixture of Zirconium Praseodymium Yellow Zircon and Zirconium Iron Pink Zircon

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	77	68187-15-5	C.I. 77997
ZIRCONIUM IRON PINK ZIRCON	C.I. Pigment Red 232	23	68186-89-0	C.I. 77996

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELS mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Iron Oxide Fume	5	10	5
Silica, Crystalline (SiO ₂)	0.1	10	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY	No Data
DEGRADABILITY	No Data
MOBILITY	No Data
BIOACCUMUATIVE	No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2071 TAUPE

2071 Taupe is a mixture of Zirconium Praseodymium Yellow Zircon, Zirconium Vanadium Blue Zircon and Zirconium Iron Pink Zircon

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	11	68187-15-5	C.I. 77997
ZIRCONIUM VANADIUM BLUE ZIRCON	C.I. Pigment Blue 71	54	68186-95-8	C.I. 77998
ZIRCONIUM IRON PINK ZIRCON	C.I. Pigment Red 232	35	68186-89-0	C.I. 77996

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Iron Oxide Fume	5	10	5
Silica, Crystalline (SiO ₂)	0.1	10	0.05
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.1 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY	No Data
DEGRADABILITY	No Data
MOBILITY	No Data
BIOACCUMUATIVE	No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2080 MANGANESE PINK

2080 Manganese Pink, Manganese Alumina Pink Corundum, is a reaction product of high temperature calcination in which Aluminum (III) Oxide and Manganese (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of corundum.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

MANGANESE ALUMINA PINK CORUNDUM
CAS No. 68186-99-2
Index No. C.I. 77005

C.I. Pigment Red 231 100%

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total)	N/A
		5 (respirable)	
Manganese Compound (as Mn)	0.2	5.0	1.0

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES.

ORAL The summated LD50 (male and female rats) > 2000 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 6.2 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2081 LAVENDER

2081 Lavender is a mixture of Manganese Alumina Pink Corundum and Cobalt Aluminate Blue Spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
MANGANESE ALUMINA PINK CORUNDUM	C.I. Pigment Red 231	93	68186-99-2	C.I. 77005
COBALT ALUMINATE BLUE SPINEL	C.I. Pigment Blue 28	7	1345-16-0	C.I. 77346

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total) 5 (respirable)	N/A
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Manganese Compound (as Mn)	0.2	5.0	1.0

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A
INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data
DEGRADABILITY No Data
MOBILITY No Data
BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2082 NECTARINE

2082 Nectarine is a mixture of Chrome Tin Pink Sphene and Silicic acid, zirconium salt, encapsulated cadmium pigment.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
CHROME TIN PINK SPHENE	C.I. Pigment Red 233	75	68187-12-2	C.I. 77301
Silicic acid, zirconium salt, encapsulated cadmium pigment		25	102184-95-2	

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total)	15 (total)	5
	5 (respirable)	5 (respirable)	15 min.C
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Cadmium Dust (as Cd)	0.01	0.005	
Selenium Compounds (as Se)	0.2	0.2	0.2
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Tin Oxide (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.
For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2083 DARK RED

2083 Dark Red, Silicic acid, zirconium salt, encapsulated cadmium pigment.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

Silicic acid, zirconium salt, encapsulated cadmium pigment	100%
CAS No. 102184-95-2	

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
ZIRCONIUM COMPOUNDS (as Zr)	10.0 (total)	15.0 (total)	5.0
	5.0 (respirable)	5.0 (respirable)	15 min.C
CADMIUM DUST (as Cd)	0.01	0.005	
SELENIUM COMPOUNDS (as Se)	0.2	0.2	0.2

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD₅₀ (male and female rats) > 2000 mg/kg.

INHALATION The summated LC₅₀ (male and female rats; 4 hours) > 5.07 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2084 BRIGHT RED

2084 Bright Red, Silicic acid, zirconium salt, encapsulated cadmium pigment.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Composition

Silicic acid, zirconium salt, encapsulated cadmium pigment	100%
CAS No. 102184-95-2	

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
ZIRCONIUM COMPOUNDS (as Zr)	10.0 (total)	15.0 (total)	5.0
	5.0 (respirable)	5.0 (respirable)	15 min.C
CADMIUM DUST (as Cd)	0.01	0.005	
SELENIUM COMPOUNDS (as Se)	0.2	0.2	0.2

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD₅₀ (male and female rats) > 2000 mg/kg.

INHALATION The summated LC₅₀ (male and female rats; 4 hours) > 5.07 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2085 BRIGHT ORANGE

2085 Bright Orange, Silicic acid, zirconium salt, encapsulated cadmium pigment.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

Silicic acid, zirconium salt, encapsulated cadmium pigment	100%
CAS No. 102184-95-2	

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs	OSHA PELS	NOISHA RELs
	mg/m ³	mg/m ³	mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
ZIRCONIUM COMPOUNDS (as Zr)	10.0 (total)	15.0 (total)	5.0
	5.0 (respirable)	5.0 (respirable)	15 min.C
CADMIUM DUST (as Cd)	0.01	0.005	
SELENIUM COMPOUNDS (as Se)	0.2	0.2	0.2

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD₅₀ (male and female rats) > 2000 mg/kg.

INHALATION The summated LC₅₀ (male and female rats; 4 hours) > 5.07 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2086 BRIGHT GREEN

2086 Bright Green is a mixture of Cobalt Aluminate Blue Spinel and Zirconium Praseodymium Yellow Zircon

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Signal Word(s)

Warning

Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not handle until all safety precautions have been read and understood. Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
COBALT ALUMINATE BLUE SPINEL	C.I. Pigment Blue 28	29	1345-16-0	77346
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON	C.I. Pigment Yellow 159	71	68187-15-5	77997

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total) 5 (respirable)	N/A
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Vanadium Fume (as V ₂ O ₅)	0.05	0.05	0.05

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2087 BRIGHT PURPLE

2087 Bright Purple, Chrome Tin Pink Sphene, is a reaction product of high temperature calcination in which Calcium (I) Oxide, Tin (IV) Oxide, and Chromium (III) Oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of tin sphene.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200
substance.

Not a hazardous

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Not a hazardous substance.

Precautionary Statement(s)

Not a hazardous substance.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition

CHROME TIN PINK SPHENE

C.I. Pigment Red 233

100%

CAS No. 68187-12-2

Index No. C.I. 77301

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
SILICA, CRYSTALLINE (SiO ₂)	0.1	10.0	0.05
CHROMIUM (III) COMPOUNDS (as Cr)	0.5	0.5	0.5
TIN OXIDE (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

ENGINEERING CONTROLS: Keep in original container. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

ORAL The summated LD50 (male and female rats) > 2200 mg/kg.

INHALATION The summated LC50 (male and female rats; 4 hours) > 5.4 mg/L air

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other

materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2088 DARK PURPLE

2088 Dark Purple is a mixture of Chrome Tin Pink Spinel, Cobalt Silicate Blue Olivine and Cobalt Aluminate Blue Spinel.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition		%	CAS No.	Index No.
CHROME TIN PINK SPHERE	C.I. Pigment Red 233	90	68187-12-2	C.I. 77301
COBALT SILICATE BLUE OLIVINE	C.I. Pigment Blue 73	7	68187-40-6	C.I. 77364
COBALT ALUMINATE BLUE SPINEL	C.I. Pigment Blue 28	3	1345-16-0	C.I. 77346

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
EXPOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Aluminum (as Al), Metal (total dust)	10 (total)	15 (total)	N/A
		5 (respirable)	
Cobalt, Metal, Dust & Fume (as Co)	0.02	0.5	N/A
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Chromium (III) Compounds (as Cr)	0.5	0.5	0.5
Tin Oxide (as Sn)	2.0	2.0	2.0

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

SAFETY DATA SHEET

01/10/2020

SECTION I - IDENTIFICATION

Material Name

SPECTRUM CERAMIC STAIN 2090 ORANGE

2090 Orange is a mixture of Zirconium Praseodymium Yellow Zircon and Silicic acid, zirconium salt, encapsulated cadmium pigment.

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200 Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s)



Hazard Statement(s)

Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May be harmful if inhaled. May cause respiratory distress.

Precautionary Statement(s)

Avoid breathing dust. Do not get in eyes or on skin. Wash hands thoroughly after handling.

Prevention

Do not breath dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Composition	%	CAS No.	Index No.
ZIRCONIUM PRASEODYMIUM YELLOW ZIRCON C.I. Pigment Yellow 159	76	68187-12-2	C.I. 77301
Silicic acid, zirconium salt, encapsulated cadmium pigment	24	102184-95-2	

SECTION IV - FIRST AID MEASURES

Get prompt medical advice/attention if you feel unwell. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Get prompt medical attention. Exposure should be maintained below the TLV (see Section VIII) achieved preferably through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPOSITION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Wear suitable gloves, glasses and face protection. Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH-TLVs mg/m ³	OSHA PELs mg/m ³	NOISHA RELs mg/m ³
Zirconium Compounds (as Zr)	10 (total) 5 (respirable)	15 (total) 5 (respirable)	5 15 min.C
Silica, Crystalline (SiO ₂)	0.1	10.0	0.05
Cadmium Dust (as Cd)	0.01	0.005	
Selenium Compounds (as Se)	0.2	0.2	0.2

RESPIRATORY PROTECTION: Provide adequate ventilation to the work area where the product is stored or handled. Use suitable respiratory protection.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required for normal use.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SOLUBILITY IN WATER: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A

STABILITY (STABLE CONDITIONS TO AVOID): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ORAL N/A

INHALATION N/A

This product is not considered to be a carcinogen by the Occupational Safety and Health Administration (OSHA).

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY No Data

DEGRADABILITY No Data

MOBILITY No Data

BIOACCUMUATIVE No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS NOT A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

NONE

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If inhaled or swallowed, get prompt medical attention.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

