

# SAFETY DATA SHEET

# 1. Product and Company Identification

**Product identifier Brown Sculpture** Other means of identification Not available Recommended use Modelling Clay None known. Recommended restrictions

Tucker's Pottery Supplies Inc., Manufacturer information

Cone Art Kilns Inc. 15 West Pearce Street

Richmond Hill, ON L4B 1H6 CA Phone: Toll Free 1-800-304-6185

Phone: 905-889-7705

Emergency Phone Number: 613-996-6666 (CANUTEC)

See above. Supplier

## 2. Hazards Identification

Physical hazards Not classified.

Serious eye damage/eye irritation Category 2 **Health hazards** 

Category 1A Carcinogenicity Specific target organ toxicity, repeated Category 1

exposure

Not classified. **Environmental hazards** WHMIS 2015 defined hazards Not classified

Label elements



Signal word

**Hazard statement** Causes serious eye irritation. May cause cancer. Causes damage to organs through prolonged or

repeated exposure.

Precautionary statement

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Prevention

Do not eat, drink or smoke when using this product. Obtain special instructions before use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face

protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present Response

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Storage Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations. Disposal

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)

Hazard(s) not otherwise

classified (HNOC)

None known.

None known

None known

Supplemental information None.

## 3. Composition/Information on Ingredients

# Mixture

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Chemical name Common name and synonyms		CAS number	%	
Kaolin		1332-58-7	45	
Crystalline silica		14808-60-7	18	
Kyanite		1302-76-7	7	
Cristobalite		14464-46-1	6	
Feldspar		68476-25-5	6	
Silica		7631-86-9	5	
Nepheline syenite		37244-96-5	4	
Kaolinite		1318-74-7	3	
Titanium oxide		13463-67-7	0.5	
Rutile		1317-80-2	0.4	

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4.	First	Aid	Measures

InhalationIf symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.Skin contactFlush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.Eye contactIF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.

Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

# 5. Fire Fighting Measures

Suitable extinguishing media

Unsuitable extinguishing

media

Ingestion

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Fire-fighting

equipment/instructions
Specific methods

General fire hazards
Hazardous combustion

products

Water fog. Foam. Dry chemical powder. Carbon dioxide.

Do not use water jet as an extinguisher, as this will spread the fire.

During fire, gases hazardous to health may be formed.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Use water spray to cool unopened containers.

Use standard firefighting procedures and consider the hazards of other involved materials.

No unusual fire or explosion hazards noted.

May include and are not limited to: Hydrofluoric acid. Silicon tetrafluoride.

## 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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# Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination

# **Environmental precautions**

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

# 7. Handling and Storage

#### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes. When using, do not eat, drink or smoke. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

# Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

# 8. Exposure Controls/Personal Protection

# Occupational exposure limits

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value	Form
Cristobalite (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable particles.
		0.025 mg/m3	Respirable.
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles.
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
Rutile (CAS 1317-80-2)	TWA	10 mg/m3	
Titanium oxide (CAS 13463-67-7)	TWA	10 mg/m3	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	, Type	Value	Form
Cristobalite (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction.
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
Kaolinite (CAS 1318-74-7)	TWA	1 mg/m3	Respirable.
Kyanite (CAS 1302-76-7)	TWA	1 mg/m3	Respirable.
Rutile (CAS 1317-80-2)	TWA	3 mg/m3 10 mg/m3	Respirable fraction. Total dust.
Silica (CAS 7631-86-9)	TWA	4 mg/m3 1.5 mg/m3	Total Respirable.
Titanium oxide (CAS 13463-67-7)	TWA	3 mg/m3	Respirable fraction.
•		10 mg/m3	Total dust.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Туре	Value	Form
TWA	0.025 mg/m3	Respirable fraction.
TWA	0.025 mg/m3	Respirable fraction.
TWA	2 mg/m3	Respirable fraction.
TWA	1 mg/m3	Respirable fraction.
TWA	1 mg/m3	Respirable fraction.
	TWA TWA TWA TWA	TWA 0.025 mg/m3  TWA 0.025 mg/m3  TWA 2 mg/m3  TWA 1 mg/m3

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Canada. Manitoba OELs (Reg. 217/2 Components	Type	Value	Form
Rutile (CAS 1317-80-2)	TWA	10 mg/m3	
Fitanium oxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada. Ontario OELs. (Control of I Components	Exposure to Biological or Ch Type	emical Agents) Value	Form
Cristobalite (CAS 14464- 46-1)	TWA	0.05 mg/m3	Respirable fraction.
Crystalline silica (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable fraction.
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Kaolinite (CAS 1318-74-7)	TWA	1 mg/m3	Respirable fraction.
(yanite (CAS 1302-76-7)	TWA	1 mg/m3	Respirable fraction.
Nepheline syenite (CAS 37244-96-5)	TWA	10 mg/m3	Total dust.
Rutile (CAS 1317-80-2)	TWA	10 mg/m3	
Fitanium oxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada. Quebec OELs. (Ministry of Components	Labor - Regulation Respecti Type	ng the Quality of the Work En Value	vironment) Form
Cristobalite (CAS 14464-46-1)	TWA	0.05 mg/m3	Total dust.
Crystalline silica (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.
(CAS 1332-58-7)	TWA	5 mg/m3	Respirable dust.
Rutile (CAS 1317-80-2)	TWA	10 mg/m3	Total dust.
Silica (CAS 7631-86-9)	TWA	6 mg/m3	Respirable dust.
Titanium oxide (CAS 3463-67-7)	TWA	10 mg/m3	Total dust.
US. OSHA Table Z-1 Limits for Air C Components	Contaminants (29 CFR 1910.1 Type	000) Value	Form
Cristobalite (CAS 14464-46-1)	PEL	0.05 mg/m3	Respirable dust.
Crystalline silica (CAS 14808-60-7)	PEL	0.05 mg/m3	Respirable dust.
(aolin (CAS 1332-58-7)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
Rutile (CAS 1317-80-2)	PEL	15 mg/m3	Total dust.
Fitanium oxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
JS. OSHA Table Z-3 (29 CFR 1910.1 Components	000) Type	Value	Form
Cristobalite (CAS	TWA	0.05 mg/m3	Respirable.
,		1.2 mppcf	Respirable.
Crystalline silica (CAS 4808-60-7)	TWA	0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.
(aolin (CAS 1332-58-7)	TWA	5 mg/m3	Respirable fraction. Total dust.
		15 mg/m3 50 mppcf	Total dust. Total dust.
		15 mppcf	Respirable fraction.
Silica (CAS 7631-86-9)	TWA	0.8 mg/m3 20 mppcf	•
Fitanium oxide (CAS 13463-67-7)	TWA	5 mg/m3	Respirable fraction.
13703-01-11			

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Pour point

Specific gravity

Components	Туре	Value	Form
		15 mppcf	Respirable fraction.
US. ACGIH Threshold Limit	Values		
Components	Туре	Value	Form
Cristobalite (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction.
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Kaolinite (CAS 1318-74-7)	TWA	1 mg/m3	Respirable fraction.
Kyanite (CAS 1302-76-7)	TWA	1 mg/m3	Respirable fraction.
Rutile (CAS 1317-80-2)	TWA	10 mg/m3	
Titanium oxide (CAS 13463-67-7)	TWA	10 mg/m3	
US. NIOSH: Pocket Guide to	o Chemical Hazards		
Components	Type	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
Kaolin (CAS 1332-58-7)	TWA	5 mg/m3 10 mg/m3	Respirable. Total
Silica (CAS 7631-86-9)	TWA	6 mg/m3	
logical limit values	No biological exposure limits noted	for the ingredient(s)	
oosure guidelines	No biological exposure limits noted for the ingredient(s).  Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.		
oropriate engineering atrols	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilatior or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
ividual protection measures,	, such as personal protective equipr	ment	
Eye/face protection	Wear safety glasses with side shield	ds (or goggles).	
Skin protection			
Hand protection	Impervious gloves. Confirm with re	putable supplier first.	
Other	Wear suitable protective clothing. Use of an impervious apron is recommended. As required by employer code.		
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).		
Thermal hazards	Not applicable.		
neral hygiene nsiderations	Always observe good personal hygi and before eating, drinking, and/or equipment to remove contaminants	smoking. Routinely wash work cl	othing and protective
	9. Physical and Chem	nical Properties	
pearance	Moist mud		
/sical state	Solid.		
m	Solid.		
or	Grey		
or	Earthy		
or threshold	Not available.		
	Not available.		
Iting point/freezing point	Not available.		
ial boiling point and boiling ge	Not available.		
=	Not eveilable		

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Not available.

Not available.

Partition coefficient (n-octanol/water)

Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Or pressure Not available.

Vapor pressure
Vapor density
Relative density
Solubility(ies)
Auto-ignition temperature
Not available.
Not available.
Not available.
Not available.
Viscosity
Not available.
Not available.

Other information

**Explosive properties** Not explosive. **Oxidizing properties** Not oxidizing.

# 10. Stability and Reactivity

**Reactivity** This product may react with strong oxidizing agents.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Chemical stability Material is stable under normal conditions.

**Conditions to avoid**Do not mix with other chemicals. **Incompatible materials**Powerful oxidizers. Chlorine.

Hazardous decomposition

products

May include and are not limited to: Silicon tetrafluoride. Hydrofluoric acid.

# 11. Toxicological Information

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

**Ingestion** May cause stomach distress, nausea or vomiting.

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. Dust may

irritate respiratory system.

**Skin contact** Dust or powder may irritate the skin.

**Eye contact** Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision. Dusts may irritate the respiratory tract, skin and eyes.

Information on toxicological effects

**Acute toxicity** 

Components Species Test Results

Cristobalite (CAS 14464-46-1)

**Acute**Dermal

LD50 Rabbit > 5000 mg/kg, 24 Hours, ECHA

> 2000 mg/kg, 24 Hours

Inhalation

LC50 Not available

Oral

LD50 Mouse > 15000 mg/kg, HSDB

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Components Species Test Results

Rat > 22500 mg/kg, HSDB

Crystalline silica (CAS 14808-60-7)

Acute Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Rat 500 mg/kg, HSDB, IV only

Feldspar (CAS 68476-25-5)

**Acute** Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Not available

Kaolin (CAS 1332-58-7)

**Acute**Dermal

LD50 Rat

Inhalation

LC50 Not available

Oral

LD50 Rat > 5000 mg/kg, HSDB

14900 mg/kg, Gelest

> 5000 mg/kg, HSDB

Kyanite (CAS 1302-76-7)

Acute Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Not available

Nepheline syenite (CAS 37244-96-5)

**Acute**Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Not available

Rutile (CAS 1317-80-2)

**Acute** Dermal

LD50 Not available

Inhalation

LC50 Rat > 6.8 mg/L, 4 Hours, ECHA

> 3.6 mg/L, 4 Hours, ECHA> 2.3 mg/L, 4 Hours, ECHA5.1 mg/L, 4 Hours, ECHA

3.4 mg/L, 4 Hours, ECHA

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Components **Species Test Results** Oral LD50 Rat > 25000 mg/kg, ECHA > 11000 mg/kg, ECHA > 5000 mg/kg, ECHA > 2000 mg/kg, ECHA Silica (CAS 7631-86-9) Acute Dermal LD50 Rabbit > 2000 mg/kg > 2000 mg/kg, 24 Hours Inhalation LC50 Not available Rat > 2.1 mg/L, 4 Hours Oral LD50 Mouse > 3160 mg/kg Rat > 5000 mg/kg > 3300 mg/kg Titanium oxide (CAS 13463-67-7) **Acute** Dermal LD50 Not available Inhalation Rat LC50 > 6.8 mg/L, 4 Hours, ECHA > 3.6 mg/l/4h, ECHA > 3.6 mg/L, 4 Hours, ECHA > 2.3 mg/L, 4 Hours, ECHA 5.1 mg/L, 4 Hours, ECHA 3.4 mg/L, 4 Hours, ECHA Oral LD50 Mouse > 5000 mg/kg, ECHA Rat > 25000 mg/kg, ECHA > 11000 mg/kg, ECHA > 5000 mg/kg, ECHA > 2000 mg/kg, ECHA Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Not available. **Exposure minutes** Not available. Erythema value Oedema value Not available. Serious eye damage/eye Causes serious eye irritation. irritation Corneal opacity value Not available. Not available. Iris lesion value Conjunctival reddening Not available. value Conjunctival oedema value Not available. Recover days Not available. Respiratory or skin sensitization Canada - Alberta OELs: Irritant Cristobalite (CAS 14464-46-1) Irritant Rutile (CAS 1317-80-2) Irritant Titanium oxide (CAS 13463-67-7) Irritant

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Not a respiratory sensitizer.

Respiratory sensitization

Skin sensitization

This product is not expected to cause skin sensitization.

Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity

May cause cancer.

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)
In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded

that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003)

According to the current state of the art, worker protection against silicosis can be consistently

assured by respecting the existing regulatory occupational exposure limits.

Occupational exposure to respirable dust and respirable crystalline silica should be monitored and

cupational exposure to respirable dust and resp ntrolled

High concentrations of pigment-grade (powdered) and ultrafine titanium dioxide (titanium oxide) dust have caused respiratory tract cancer in rats exposed by inhalation and intratracheal instillation.

**ACGIH Carcinogens** 

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

A2 Suspected human carcinogen.

A2 Suspected human carcinogen.

Canada - Alberta OELs: Carcinogen category

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Suspected human carcinogen.

Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

SILICA, CRYSTALLINE-.ALPHA.-QUARTZ, Suspected human carcinogen.

RESPIRABLE FRACTION (CAS 14808-60-7)

SILICA, CRYSTALLINE-CRISTOBALITE, RESPIRABLE Suspected human carcinogen.

FRACTION (CAS 14464-46-1)

Canada - Quebec OELs: Carcinogen category

Cristobalite (CAS 14464-46-1) Detected carcinogenic effect in animals. Crystalline silica (CAS 14808-60-7) Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Volume 68, Volume 100C 1 Carcinogenic to humans.

Volume 68, Volume 100C 1 Carcinogenic to humans.

Hydrous magnesium silicate (CAS 14807-96-6) Volume 42, Supplement 7, Volume 93 - 3 Not classifiable as to

carcinogenicity to humans.

Volume 93 - 2B Possibly carcinogenic to humans.

Rutile (CAS 1317-80-2)

Volume 47, Volume 93 - 2B Possibly carcinogenic to humans.

Volume 68 - 3 Not classifiable as to carcinogenicity to humans.

Titanium oxide (CAS 13463-67-7)

Volume 47, Volume 93 - 2B Possibly carcinogenic to humans.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Crystalline silica (CAS 14808-60-7)

Rutile (CAS 1317-80-2)

Titanium oxide (CAS 13463-67-7)

US NTP Report on Carcinogens: Anticipated carcinogen

Cristobalite (CAS 14464-46-1) Reasonably Anticipated to be a Human Carcinogen.

US NTP Report on Carcinogens: Known carcinogen

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Known To Be Human Carcinogen.

Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Cristobalite (CAS 14464-46-1) Cancer Crystalline silica (CAS 14808-60-7) Cancer

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Teratogenicity Not available.

Specific target organ toxicity - Not classified.

single exposure

NOI Classified.

Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** Not an aspiration hazard.

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**Ecotoxicity** 

Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. Early symptoms of silicosis include cough, mucous production and shortness of breath upon exertion.

12.	Eco	logical	Inforr	nation

Ecotoxicological data Components **Test Results Species** Rutile (CAS 1317-80-2)

See below

Aquatic

Crustacea EC50 Water flea (Daphnia magna) > 1000 mg/L, 48 hours Fish LC50 Mummichog (Fundulus heteroclitus) > 1000 mg/L, 96 hours

Silica (CAS 7631-86-9)

Algae IC50 Algae 440 mg/L, 72 Hours Crustacea EC50 Daphnia 7600 ma/L. 48 Hours

Titanium oxide (CAS 13463-67-7)

Aquatic

EC50 > 1000 mg/L, 48 hours Crustacea Water flea (Daphnia magna) LC50 Mummichog (Fundulus heteroclitus) Fish > 1000 mg/L, 96 hours

Persistence and degradability No data is available on the degradability of this product.

No data available. Bioaccumulative potential Mobility in soil No data available. Not available. Mobility in general

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation Other adverse effects

potential, endocrine disruption, global warming potential) are expected from this component.

# 13. Disposal Considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

# 14. Transport Information

**Transport of Dangerous Goods** (TDG) Proof of Classification

In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

## 15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

## Canada CEPA Schedule I: Listed substance

Cristobalite (CAS 14464-46-1) Listed. Hydrous magnesium silicate (CAS 14807-96-6) Listed. Kaolin (CAS 1332-58-7) Listed. Mica group minerals (CAS 12001-26-2) Listed. Titanium oxide (CAS 13463-67-7) Listed.

Canada DSL Challenge Substances: Listed substance

Cristobalite (CAS 14464-46-1) Listed Crystalline silica (CAS 14808-60-7) Listed.

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## Canada Priority Substances List (Second List): Listed substance

Hydrous magnesium silicate (CAS 14807-96-6)

Kaolin (CAS 1332-58-7)

Mica group minerals (CAS 12001-26-2)

Titanium oxide (CAS 13463-67-7)

Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

**Greenhouse Gases** 

Not listed.

**Precursor Control Regulations** 

Not regulated.

WHMIS 2015 Exemptions Not applicable

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Barium carbonate (CAS 513-77-9) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Lung effects

Crystalline silica (CAS 14808-60-7)

Cristobalite (CAS 14464-46-1) immune system effects
Crystalline silica (CAS 14808-60-7) immune system effects

Cristobalite (CAS 14464-46-1) kidney effects
Crystalline silica (CAS 14808-60-7) kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US state regulations See below

US - California Hazardous Substances (Director's): Listed substance

Barium carbonate (CAS 513-77-9)

Hydrous magnesium silicate (CAS 14807-96-6)

Mica group minerals (CAS 12001-26-2)

Silica (CAS 7631-86-9)

Listed.

US - Illinois Chemical Safety Act: Listed substance

Barium carbonate (CAS 513-77-9)

US - Minnesota Haz Subs: Listed substance

Barium carbonate (CAS 513-77-9) Listed. Cristobalite (CAS 14464-46-1) Listed. Crystalline silica (CAS 14808-60-7) Listed. Hydrous magnesium silicate (CAS 14807-96-6) Listed. Kaolin (CAS 1332-58-7) Listed. Mica group minerals (CAS 12001-26-2) Listed. Rutile (CAS 1317-80-2) Listed. Silica (CAS 7631-86-9) Listed. Titanium oxide (CAS 13463-67-7) Listed.

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#### US - New Jersey RTK - Substances: Listed substance

Barium carbonate (CAS 513-77-9)

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Hydrous magnesium silicate (CAS 14807-96-6)

Kaolin (CAS 1332-58-7)

Mica group minerals (CAS 12001-26-2)

Rutile (CAS 1317-80-2) Silica (CAS 7631-86-9)

Titanium oxide (CAS 13463-67-7)

#### **US - Texas Effects Screening Levels: Listed substance**

Barium carbonate (CAS 513-77-9) Listed. Cristobalite (CAS 14464-46-1) Listed. Crystalline silica (CAS 14808-60-7) Listed. Feldspar (CAS 68476-25-5) Listed. Hydrous magnesium silicate (CAS 14807-96-6) Listed. Kaolin (CAS 1332-58-7) Listed. Kyanite (CAS 1302-76-7) Listed. Mica group minerals (CAS 12001-26-2) Listed. Nepheline syenite (CAS 37244-96-5) Listed. Rutile (CAS 1317-80-2) Listed. Silica (CAS 7631-86-9) Listed. Titanium oxide (CAS 13463-67-7) Listed.

#### **US. Massachusetts RTK - Substance List**

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Hydrous magnesium silicate (CAS 14807-96-6)

Kaolin (CAS 1332-58-7)

Mica group minerals (CAS 12001-26-2)

Rutile (CAS 1317-80-2) Silica (CAS 7631-86-9)

Titanium oxide (CAS 13463-67-7)

#### US. New Jersey Worker and Community Right-to-Know Act

Barium carbonate (CAS 513-77-9)

### US. Pennsylvania Worker and Community Right-to-Know Law

Barium carbonate (CAS 513-77-9)

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Hydrous magnesium silicate (CAS 14807-96-6)

Kaolin (CAS 1332-58-7)

Mica group minerals (CAS 12001-26-2)

Rutile (CAS 1317-80-2) Silica (CAS 7631-86-9)

Titanium oxide (CAS 13463-67-7)

### **US. Rhode Island RTK**

Barium carbonate (CAS 513-77-9)

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Hydrous magnesium silicate (CAS 14807-96-6)

Kaolin (CAS 1332-58-7)

Mica group minerals (CAS 12001-26-2)

Rutile (CAS 1317-80-2)

Titanium oxide (CAS 13463-67-7)

## **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Crystalline silica (CAS 14808-60-7)

Rutile (CAS 1317-80-2)

Listed: October 1, 1988

Listed: September 2, 2011

Titanium oxide (CAS 13463-67-7)

Listed: September 2, 2011

#### Inventory status

Country(s) or regionInventory nameOn inventory (yes/no)\*CanadaDomestic Substances List (DSL)NoCanadaNon-Domestic Substances List (NDSL)YesUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH *	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	Х



Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Other information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the

document.