TUCKER'S

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier <u>Mid Cal Grogless</u>

Other means of identification

Not available

Recommended use

Modelling Clay

Recommended restrictions

None known.

Manufacturer information

Tucker's Pottery Supplies Inc.,

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)

Supplier

See above.

2. Hazards Identification

Physical hazards

Not classified.

Health hazards

Carcinogenicity

Category 1A

Specific target organ toxicity, repeated

Category 1

exposure

Environmental hazards

Not classified.

WHMIS 2015 defined hazards

Not classified

Label elements



Signal word

Danger

Hazard statement

May cause cancer. Causes damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

smoke

Response

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Storage

Store locked up.

None known

Disposal

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

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

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

None known

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information

None.

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%	
Kaolin		1332-58-7	51	
Crystalline silica		14808-60-7	30	
Nepheline syenite		37244-96-5	4	

14464-46-1	2
	2
68476-25-5	2
1318-74-7	2
7631-86-9	2
13463-67-7	2
	1318-74-7 7631-86-9

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

4	Firet	Δid	Measures
T.	ı IIƏL	MIU.	IVICABUICS

Inhalation
Skin contact
Eye contact

If symptoms develop move victim to fresh air, If symptoms persist, obtain medical attention.

Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists,

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical

attention if irritation persists.

Ingestion

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

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

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

Unsuitable extinguishing media

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

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

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

and precautions for firefight Fire-fighting equipment/instructions

Use water spray to cool unopened containers.

Specific methods
General fire hazards

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

General fire hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

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

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. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Environmental precautions

Stop the flow of material, if this is without risk. Following product recovery, flush area with water. 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. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. 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 away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

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8. Exposure Controls/Personal Protection

al Health & Safety Code, Sche	dule 1, Table 2)	
Туре	Value	Form
TWA	0.025 mg/m3	Respirable particles
	0.025 mg/m3	Respirable.
TWA	0.025 mg/m3	Respirable particles
TWA	2 mg/m3	Respirable.
TWA	10 mg/m3	
	or Chemical Substances, Oc	
Туре	Value	Form
TWA	0.025 mg/m3	Respirable fraction.
TWA		Respirable fraction.
TWA	2 mg/m3	Respirable.
TWA	1 mg/m3	Respirable.
TWA	•	Total
77.44		Respirable.
IWA		Respirable fraction. Total dust.
	10 mg/ms	Total dust.
2006, The Workplace Safety A Type	nd Health Act) 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	10 mg/m3	
•	mical Agents) Value	Form
TWA	0.05 mg/m3	Respirable fraction.
TWA	0.1 mg/m3	Respirable fraction.
TWA	2 mg/m3	Respirable fraction.
TWA	1 mg/m3	Respirable fraction.
TWA	10 mg/m3	Total dust.
TWA	10 mg/m3	
Labor - Regulation Respectin Type	g the Quality of the Work En Value	vironment) Form
TWA	0.05 mg/m3	Total dust.
TWA	0.1 mg/m3	Respirable dust.
TWA	5 mg/m3	Respirable dust.
ΓVVA	6 mg/m3	Respirable dust
	Type TWA TWA TWA TWA TWA Ccupational Exposure Limits foliated) Type TWA	TWA 0.025 mg/m3 TWA 0.025 mg/m3 TWA 2 mg/m3 TWA 10 mg/m3 TWA 10 mg/m3 TWA 0.025 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 3 mg/m3 TWA 3 mg/m3 TWA 0.025 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 2 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 0.025 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 0.025 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 TWA 0.1 mg/m3 TWA 0.1 mg/m3 TWA 1 mg/m3

Components	for Air Contaminants (29 CFR 1910.1 Type	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.
Kaolin (CAS 1332-58-7)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
Titanium oxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. OSHA Table Z-3 (29 CF Components	R 1910.1000) Type	Value	Form
Cristobalite (CAS	TWA	0.05 mg/m3	Respirable.
14464-46-1)		1.2 mppcf	Respirable.
Crystalline silica (CAS	TWA	0.1 mg/m3	Respirable.
14808-60-7)	1 4 4 4	3	respirable.
		2.4 mppcf	Respirable.
Kaolin (CAS 1332-58-7)	TWA	5 mg/m3 15 mg/m3 50 mppcf 15 mppcf	Respirable fraction. Total dust. Total dust. Respirable fraction.
Silica (CAS 7631-86-9)	TWA	0.8 mg/m3 20 mppcf	
Titanium oxide (CAS 13463-67-7)	TWA	5 mg/m3	Respirable fraction.
,,,,,		15 mg/m3 50 mppcf 15 mppcf	Total dust. Total dust. Respirable fraction.
US. ACGIH Threshold Limit Components	Values 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 fraction,
Kaolinite (CAS 1318-74-7)	TWA	1 mg/m3	Respirable fraction.
Titanium oxide (CAS 13463-67-7)	TWA	10 mg/m3	
US. NIOSH: Pocket Guide to	o Chemical Hazards		_
Components	Туре	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	
ogical limit values	No biological exposure limits noted for	or the ingredient(s).	
osure guidelines	Occupational exposure to nuisance of should be monitored and controlled.	dust (total and respirable) and re	spirable crystalline silic
ropriate engineering trols	Good general ventilation (typically 10 should be matched to conditions. If a or other engineering controls to mair	ipplicable, use process enclosur	es, local exhaust ventila

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields.

Skin protection

Hand protection Impervious gloves. Confirm with reputable supplier first.

Other Use of an impervious apron is recommended. As required by employer code.

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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.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance Moist mud
Physical state Solid.
Form Solid.
Color grey
Odor Earthy

Odor threshold Not available.
pH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

ing Not available.

range Pour point

Not available.

Not available.

Specific gravity
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

1%)

Not available.

Explosive limit - lower (%) Not available.
Explosive limit - upper (%) Not available.

Vapor pressure
Not available.
Vapor density
Relative density
Solubility(ies)
Not available.
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

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

products

11. Toxicological Information

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

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

Inhalation Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Direct contact with eyes may result in mechanical irritation.

Symptoms related to the physical, chemical and toxicological characteristics

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

Direct contact with eyes may cause temporary irritation.

> 2000 mg/kg, 24 Hours

Inhalation

LC50 Not available

Oral

LD50 Mouse > 15000 mg/kg, HSDB

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

t > 5000 mg/kg, HSDB

Inhalation

LC50 Not available

Oral

LD50 Rat > 5000 mg/kg, HSDB

14900 mg/kg, Gelest

Nepheline syenite (CAS 37244-96-5)

Acute

Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral LD50

Not available

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Components	Species		Test Results
Silica (CAS 7631-86-9)	•		
Acute			
Dermal			
LD50	Rabbit		> 2000 mg/kg
			> 2000 mg/kg, 24 Hours
Inhalation		4 4	
LC50	Not available		
	Rat		> 2.1 mg/L, 4 Hours
Oral			0.400
LD50	Mouse		> 3160 mg/kg
	Rat		> 5000 mg/kg
			> 3300 mg/kg
Titanium oxide (CAS 13463-67-7)			
Acute			
Demal	Not available		
LD50	NOL available		
<i>Inhalation</i> LC50	Rat		> 6.8 mg/L, 4 Hours, ECHA
2000	1101		> 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	Marian		> 5000 mg/kg, ECHA
LD50	Mouse		5 5
	Rat		> 25000 mg/kg, ECHA
			> 11000 mg/kg, ECHA
			> 5000 mg/kg, ECHA
			> 2000 mg/kg, ECHA
Skin corrosion/irritation	Prolonged skin contact may ca	ause temporary imitat	on.
Exposure minutes	Not available.		
Erythema value	Not available.		
Oedema value	Not available.		
Serious eye damage/eye irritation	Direct contact with eyes may	cause temporary irrita	tion.
Corneal opacity value	Not available.		
Iris lesion value	Not available.		
Conjunctival reddening value	Not available.		
Conjunctival oedema value	Not available.		
Recover days	Not available.		
Respiratory or skin sensitization			
Canada - Alberta OELs: Irrit		ledtant	
Calcium oxide (CAS 1305 Cristobalite (CAS 14464- Titanium oxide (CAS 134	46-1) [′]	Irritant Irritant Irritant	
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected t		
Mutagenicity		product or any compo	nents 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

controlled.

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) A2 Suspected human carcinogen. Crystalline silica (CAS 14808-60-7) A2 Suspected human carcinogen.

Canada - Alberta OELs: Carcinogen category

Cristobalite (CAS 14464-46-1) Suspected human carcinogen. Crystalline silica (CAS 14808-60-7) 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

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

IARC Monographs. Overall Evaluation of Carcinogenicity

Cristobalite (CAS 14464-46-1) Volume 68. Volume 100C 1 Carcinogenic to humans. Volume 68, Volume 100C 1 Carcinogenic to humans. Crystalline silica (CAS 14808-60-7)

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

carcinogenicity to humans.

Volume 93 - 2B Possibly carcinogenic to humans.

Silica (CAS 7631-86-9) 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) 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

Known To Be Human Carcinogen. Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) 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 **Teratogenicity** Not available.

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

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

Causes damage to organs through prolonged or repeated exposure.

repeated exposure

Aspiration hazard

Not an aspiration hazard.

Causes damage to organs through prolonged or repeated exposure. Chronic effects

Prolonged exposure may cause chronic effects.

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. Ecological Information		
Ecotoxicity	See below			
Ecotoxicological data			- 4 - No. 16-	
Components		Species	Test Results	
Silica (CAS 7631-86-9)			(10 - 1 - 70 Herre	
Algae	IC50	Algae	440 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	7600 mg/L, 48 Hours	
Titanium oxide (CAS 13463-67-7 Aquatic)			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/L, 48 hours	
Fish	LC50	Mummichog (Fundulus heteroclitus) > 1000 mg/L, 96 hours	
		ailable on the degradability of this pro		
Persistence and degradability	No data avail		445	
Bioaccumulative potential	No data avail			
Mobility in soil				
Mobility in general	Not available		o doplotion, photochemical ozone creation	
Other adverse effects	No other adv potential, end	erse environmental effects (e.g. ozoni locrine disruption, global warming pot	e depletion, photochemical ozone creation ential) are expected from this component.	
		13. Disposal Considerations		
Disposal instructions	Collect and re contents/con	eclaim or dispose in sealed containers tainer in accordance with local/region	s at licensed waste disposal site. Dispose of al/national/international regulations.	
Local disposal regulations	Dispose in a	ccordance with all applicable regulation	ons.	
Hazardous waste code	disposal com	pany.	between the user, the producer and the waste	
Waste from residues / unused products	product resid Disposal inst	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 emptie emptied. Em disposal.	d containers may retain product resid pty containers should be taken to an	lue, follow label warnings even after container approved waste handling site for recycling or	
		14. Transport Information		
Transport of Dangerous Goods (TDG) Proof of Classification	In accordance	e with Part 2.2.1 (SOR/2014-152) of we certify that the classification of thi	the Transportation of Dangerous Goods s product is correct as of the SDS date of issu	
U.S. Department of Transporta	_	•		
Not regulated as dangerous				
Transportation of Dangerous C	•	anada)		
Not regulated as dangerous	•	,		
		15. Regulatory Information		
Canadian federal regulations	This product contains all t	has been classified in accordance wi he information required by the HPR.	th the hazard criteria of the HPR and the SDS	
Canada CEPA Schedule I:	Listed substan	ce		
Aluminum oxide (CAS 1	1344-28-1)	Listed.		
Cristobalite (CAS 1446		Listed.		
Hydrous magnesium silicate (CAS 14807-96-6) Listed.				
Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Listed.				
Mica group minerals (CAS 12001-26-2) Listed.				
Titanium oxide (CAS 13		Listed.		
Canada DSL Challenge Su	bstances: Liste			
Cristobalite (CAS 14464	*.	Listed.		
Crystalline silica (CAS Canada Priority Substance		Listed.		
-		List): Listed substance Listed.		
Aluminum oxide (CAS 1				
Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332 58 7) Listed				
Magnesium oxide (CAS	1309-48-4)	Listed.		
		Listed.		
Mica group minerals (C Titanium oxide (CAS 13		Listed.		

#28984

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Phosphorus (CAS 7723-14-0)

Class A

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. Barium Oxide (bao) (CAS 1304-28-5) Listed. Manganese oxide (MnO2) (CAS 1313-13-9) Listed. Listed. Phosphorus (CAS 7723-14-0)

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity

Phosphorus (CAS 7723-14-0)

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) Cancer Cancer lung effects lung effects

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

immune system effects immune system effects

kidney effects kidney effects Crystalline silica (CAS 14808-60-7)

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

Nο

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

Manganese oxide (MnO2) (CAS 1313-13-9)

Phosphorus (CAS 7723-14-0)

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

Aluminum oxide (CAS 1344-28-1) Listed. Listed. Barium carbonate (CAS 513-77-9) Barium Oxide (bao) (CAS 1304-28-5) Listed. Listed. Calcium oxide (CAS 1305-78-8) Hydrous magnesium silicate (CAS 14807-96-6) Listed. Magnesium oxide (CAS 1309-48-4) Listed. Manganese oxide (MnO2) (CAS 1313-13-9) Listed. Mica group minerals (CAS 12001-26-2) Listed. Phosphorus (CAS 7723-14-0) Listed Silica (CAS 7631-86-9) Listed.

US - Illinois Chemical Safety Act: Listed substance

Barium carbonate (CAS 513-77-9) Barium Oxide (bao) (CAS 1304-28-5) Manganese oxide (MnO2) (CAS 1313-13-9) Phosphorus (CAS 7723-14-0)

US - Louisiana Spill Reporting: Listed substance

Manganese oxide (MnO2) (CAS 1313-13-9)

Listed.

	Phonehorus (CAS 7722 14 0)	Listod
	Phosphorus (CAS 7723-14-0)	Listed.
05	- Minnesota Haz Subs: Listed substance	
	Aluminum oxide (CAS 1344-28-1)	Listed.
	Barium carbonate (CAS 513-77-9)	Listed.
	Barium Oxide (bao) (CAS 1304-28-5)	Listed.
	Calcium oxide (CAS 1305-78-8)	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.
	Magnesium oxide (CAS 1309-48-4)	Listed.
	Manganese oxide (MnO2) (CAS 1313-13-9)	Listed.
	Mica group minerals (CAS 12001-26-2)	Listed.
	Phosphorus (CAS 7723-14-0)	Listed.
	Silica (CAS 7631-86-9)	Listed.
	Titanium oxide (CAS 13463-67-7)	Listed.
US	- New Jersey RTK - Substances: Listed substance	
	Aluminum oxide (CAS 1344-28-1)	
	Barium carbonate (CAS 513-77-9)	
	Barium Oxide (bao) (CAS 1304-28-5)	
	Calcium oxide (CAS 1305-78-8)	
	Cristobalite (CAS 14464-46-1)	
	Crystalline silica (CAS 14808-60-7)	
	Hydrous magnesium silicate (CAS 14807-96-6)	
	Kaolin (CAS 1332-58-7)	
	Magnesium oxide (CAS 1309-48-4)	
	Manganese oxide (MnO2) (CAS 1313-13-9)	
	Mica group minerals (CAS 12001-26-2)	
	Phosphorus (CAS 7723-14-0)	
	Silica (CAS 7631-86-9)	
	Titanium oxide (CAS 13463-67-7)	
110		Substances Listed substance
US	- New York Release Reporting: Acutely Hazardous	
	Phosphorus (CAS 7723-14-0)	Listed.
US	- North Carolina Toxic Air Pollutants: Listed substa	ance
	Manganese oxide (MnO2) (CAS 1313-13-9)	
US		
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance	е
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1)	e Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9)	e Listed. Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8)	e Listed. Listed. Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1)	e Listed. Listed. Listed. Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7)	e Listed. Listed. Listed. Listed. Listed.
us	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5)	e Listed. Listed. Listed. Listed. Listed. Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6)	e Listed. Listed. Listed. Listed. Listed. Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7)	e Listed. Listed. Listed. Listed. Listed. Listed.
us	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4)	Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9)	Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2)	Listed.
US	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5)	Listed.
us	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0)	Listed.
us	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9)	Listed.
	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0)	Listed.
	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List	Listed.
	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 1344-28-1)	Listed.
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	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Hydrous magnesium silicate (CAS 14807-96-6)	Listed.
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	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Mica group minerals (CAS 12001-26-2)	Listed.
	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Mica group minerals (CAS 12001-26-2) Phosphorus (CAS 7723-14-0)	Listed.
	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 13464-48-1) Calcium oxide (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Mica group minerals (CAS 12001-26-2) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9)	Listed.
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US.	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 13464-46-1) Crystalline silica (CAS 14808-60-7) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Mica group minerals (CAS 12001-26-2) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) New Jersey Worker and Community Right-to-Know	Listed.
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US.	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 1344-28-1) Calcium oxide (CAS 14464-46-1) Crystalline silica (CAS 14408-60-7) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Mica group minerals (CAS 12001-26-2) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) New Jersey Worker and Community Right-to-Knot Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Barium oxide (CAS 1304-28-5)	Listed.
US.	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7733-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 1344-28-1) Calcium oxide (CAS 14464-46-1) Crystalline silica (CAS 14408-60-7) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Mica group minerals (CAS 12001-26-2) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) New Jersey Worker and Community Right-to-Know Aluminum oxide (CAS 1344-28-1) Barium sarbonate (CAS 513-77-9) Barium Oxide (bao) (CAS 1304-28-5) Manganese oxide (MnO2) (CAS 1313-13-9)	Listed.
US.	Manganese oxide (MnO2) (CAS 1313-13-9) - Texas Effects Screening Levels: Listed substance Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Calcium oxide (CAS 1305-78-8) Cristobalite (CAS 14464-46-1) Crystalline silica (CAS 14808-60-7) Feldspar (CAS 68476-25-5) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Manganese oxide (MnO2) (CAS 1313-13-9) Mica group minerals (CAS 12001-26-2) Nepheline syenite (CAS 37244-96-5) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) Massachusetts RTK - Substance List Aluminum oxide (CAS 1344-28-1) Calcium oxide (CAS 14464-46-1) Crystalline silica (CAS 14408-60-7) Hydrous magnesium silicate (CAS 14807-96-6) Kaolin (CAS 1332-58-7) Magnesium oxide (CAS 1309-48-4) Mica group minerals (CAS 12001-26-2) Phosphorus (CAS 7723-14-0) Silica (CAS 7631-86-9) Titanium oxide (CAS 13463-67-7) New Jersey Worker and Community Right-to-Knot Aluminum oxide (CAS 1344-28-1) Barium carbonate (CAS 513-77-9) Barium oxide (CAS 1304-28-5)	Listed.

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

Aluminum oxide (CAS 1344-28-1)

Barium carbonate (CAS 513-77-9)

Barium Oxide (bao) (CAS 1304-28-5)

Calcium oxide (CAS 1305-78-8)

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Hydrous magnesium silicate (CAS 14807-96-6)

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Magnesium oxide (CAS 1309-48-4)

Manganese oxide (MnO2) (CAS 1313-13-9)

Mica group minerals (CAS 12001-26-2)

Phosphorus (CAS 7723-14-0)

Silica (CAS 7631-86-9)

Titanium oxide (CAS 13463-67-7)

US. Rhode Island RTK

Aluminum oxide (CAS 1344-28-1)

Barium carbonate (CAS 513-77-9)

Barium Oxide (bao) (CAS 1304-28-5)

Calcium oxide (CAS 1305-78-8)

Cristobalite (CAS 14464-46-1)

Crystalline silica (CAS 14808-60-7)

Hydrous magnesium silicate (CAS 14807-96-6)

Kaolin (CAS 1332-58-7)

Magnesium oxide (CAS 1309-48-4)

Mica group minerals (CAS 12001-26-2)

Phosphorus (CAS 7723-14-0)

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)

Titanium oxide (CAS 13463-67-7)

Listed: October 1, 1988 Listed: September 2, 2011

Inventory name

On inventory (yes/no)*

Canada

Inventory status

Domestic Substances List (DSL)

No Yes

Canada

Non-Domestic Substances List (NDSL)

Yes

United States & Puerto Rico

Country(s) or region

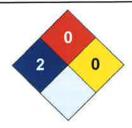
Toxic Substances Control Act (TSCA) Inventory

*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





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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Version #

01

Effective date

20-February-2018

Prepared by

Dell Tech Laboratories Ltd. Phone: (519) 858-5021

Other information

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

document.