Safety Data Sheet



Section 1: Identification

Product identifier

Product Name Reno Gun CX

Product Code | 127600

Relevant identified uses of the substance or mixture and uses advised against

Recommended use | Refractory applications

Details of the supplier of the safety data sheet

Manufacturer | Reno Refractories, Inc.

PO Box 201 Morris, AL 35116 United States

www.renorefractories.com sales@renorefractories.com

Telephone (General) | 205-647-0240

Emergency telephone number

Manufacturer 1-800-262-8200 - CHEMTREC

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 | Skin Sensitization 1 - H317 Carcinogenicity 1A - H350

Specific Target Organ Toxicity Repeated Exposure 1 - H372

Label elements

OSHA HCS 2012

DANGER





Hazard statements | May cause an allergic skin reaction - H317

May cause cancer. - H350

Causes damage to organs through prolonged or repeated exposure. - H372

Precautionary statements

Prevention | Obtain special instructions before use. - P201

Do not handle until all safety precautions have been read and understood. - P202

Do not breathe dust. - P260

Wash thoroughly after handling. - P264

Do not eat, drink or smoke when using this product. - P270

Contaminated work clothing should not be allowed out of the workplace. - P272

Wear protective gloves, clothing, and eye/face protection, . - P280

Response | If on skin: Wash with plenty of water .

Specific treatment, see supplemental first aid information. - P321

Wash contaminated clothing before reuse. - P363

If skin irritation or rash occurs: Get medical advice/attention. - P333+P313 IF exposed or concerned: Get medical advice/attention. - P308+P313

Get medical advice/attention if you feel unwell. - P314

Storage/Disposal | Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations. - P501

Other hazards

OSHA HCS 2012 Under United States Regulations (29 CFR 1910.1200 - Hazard Communication

Standard), this product is considered hazardous.

Canada

According to WHMIS

Classification of the substance or mixture

WHMIS | Other Toxic Effects - D2A

Other Toxic Effects - D2B

Label elements

WHMIS



Other Toxic Effects - D2A Other Toxic Effects - D2B

Other hazards

WHMIS

In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

Substances

Material does not meet the criteria of a substance.

Mixtures

		Co	mposition		
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Quartz	CAS :14808-60-	8.96% TO 19.069%	NDA	OSHA HCS 2012: Carc. 1A; STOT RE 1 (Lungs);	NDA
Mullite	CAS:1302-93-8	16.25% TO 18.85%	NDA	OSHA HCS 2012: STOT RE 2 (Lungs)	NDA
Silicon carbide	CAS:409-21-2	9.49% TO 16%	NDA	OSHA HCS 2012: STOT RE 2	NDA

Graphite	CAS:7782-42-5	12% TO 16%	NDA	OSHA HCS 2012: STOT RE 1 (Lungs, Inhl)	NDA
Gilsonite	CAS :12002-43-6	12% TO 16%	NDA	OSHA HCS 2012: Skin Sens. 1	NDA
Clay	Proprietary	7% TO 11.7%	NDA	OSHA HCS 2012: Not Classified	NDA
Cristobalite	CAS :14464-46-1	3.78% TO 7.34%	NDA	OSHA HCS 2012: Carc. 1A	NDA
Silica, amorphous	CAS:7631-86-9	2.725% TO 6.49%	NDA	OSHA HCS 2012: Not Classified	NDA
Bauxite	CAS:1318-16-7	2.64% TO 5.28%	NDA	OSHA HCS 2012: STOT RE 2 (Lungs);	NDA
Bentonite	CAS:1302-78-9	0.6% TO 3%	NDA	OSHA HCS 2012: STOT RE 2 (Lungs)	NDA
Aluminum sulfate (2:3)	CAS :10043-01-3	0.57% TO 2.4%	NDA	OSHA HCS 2012: STOT RE 3: Resp. Irrit.; Eye Irrit. 2;	NDA
Titanium dioxide	CAS :13463-67-	0.0975% TO 0.195%	NDA	OSHA HCS 2012: Carc. 2;	NDA
Iron oxide	CAS:1309-37-1	0.06% TO 0.12%	NDA	OSHA HCS 2012: Not Classified	NDA
Silica, crystalline - tridymite	CAS :15468-32-3	0% TO 0.03%	NDA	OSHA HCS 2012: Exposure limits	NDA

Section 4: First-Aid Measures

Description of first aid measures

Inhalation | Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial

respiration if victim is not breathing.

Skin

In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Take off contaminated clothing and wash before reuse. If skin

irritation or rash occurs: Get medical advice/attention.

Eye In case of contact with substance, immediately flush eyes with running water for at

least 20 minutes.

Ingestion I Rinse mouth. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media | This product does not burn or support combustion. Use extinguishing agent suitable

for type of surrounding fire.

Unsuitable Extinguishing

Media

None known.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion

Hazards

None known.

Hazardous Combustion

Products

None known.

Advice for firefighters

Structural firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing that is specifically recommended by the

manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away. Stay upwind.

Environmental precautions

No specific actions or treatments recommended related to exposure to this material.

Methods and material for containment and cleaning up

Containment/Clean-up

Measures

Avoid generating dust.

Wet down material before clean-up. Use vacuums with high-efficiency particulate air (HEPA) filters or wet-sweeping for clean-up. Never dry sweep or blow dust with compressed air.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

Use good safety and industrial hygiene practices. Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact. Wear long sleeves and/or protective coveralls. Do not breathe dust. Avoid contact with skin, eyes, and clothing. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Contaminated clothing must be vacuumed before removal. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage

Store in a covered location. Keep container closed. Keep from freezing. Storage and work area should be periodically cleaned to minimize dust accumulation.

Section 8 - Exposure Controls/Personal Protection

Control parameters

	Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	Mexico	NIOSH	
Silica, crystalline - tridymite (15468-32-3)	TWAs	Not established	Not established	0.05 mg/m3 TWAEV (respirable dust)	0.05 mg/m3 TWA LMPE-PPT (respirable fraction)	0.05 mg/m3 TWA (respirable dust)	
	STELs	Not established	Not established	Not established	10 mg/m3 STEL [LMPE-CT] (as Fe)	Not established	
Iron oxide (1309-37-1)	TWAs	5 mg/m3 TWA (respirable fraction)	5 mg/m3 TWA (respirable)	5 mg/m3 TWAEV (dust and fume, as Fe); 10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, regulated under Rouge, total dust)	5 mg/m3 TWA LMPE- PPT	5 mg/m3 TWA (dust and fume, as Fe)	

	STELs	Not established	Not established	Not established	20 mg/m3 STEL [LMPE-CT] (as Ti)	Not established
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m3 TWA LMPE-PPT (as Ti)	Not established
Silica, amorphous (7631-86-9)	TWAs	Not established	Not established	Not established	Not established	6 mg/m3 TWA
Cristobalite (14464-46-1)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.05 mg/m3 TWA (designated substances regulation, respirable, listed under Silica, crystalline)	0.05 mg/m3 TWAEV (respirable dust)	0.05 mg/m3 TWA LMPE-PPT (respirable fraction)	0.05 mg/m3 TWA (respirable dust)
	STELs	Not established	Not established	Not established	20 mg/m3 STEL [LMPE-CT]	Not established
Clay (Proprietary)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable)	5 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)	10 mg/m3 TWA LMPE-PPT	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.10 mg/m3 TWA (designated substances regulation, respirable, listed under Silica, crystalline)	0.1 mg/m3 TWAEV (respirable dust)	0.1 mg/m3 TWA LMPE-PPT (respirable fraction)	0.05 mg/m3 TWA (respirable dust)
	STELs	Not established	Not established	Not established	20 mg/m3 STEL [LMPE-CT]	Not established
Silicon carbide (409-21-2)	TWAs	10 mg/m3 TWA (nonfibrous, inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica); 3 mg/m3 TWA (nonfibrous, respirable fraction, particulate matter containing no asbestos and <1% crystalline silica); 0.1 fiber/cm3 TWA (as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination., respirable fibers, including whiskers, length >5 µm, aspect ratio >=3:1)	10 mg/m3 TWA (non-fibrous, containing no Asbestos and <1% Crystalline silica, inhalable); 3 mg/m3 TWA (non-fibrous, containing no Asbestos and <1% Crystalline silica, respirable); 0.1 fibre/cm3 TWA (fibrous, including whiskers, fibres >5 µm in length and an aspect ratio >=3:1 as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination, respirable)	10 mg/m3 TWAEV (non fibrous, containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m3 TWA LMPE-PPT	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
				2 mg/m3 TWAEV		

Graphite (7782-42-5)	TWAs	forms except graphite	(exc	g/m3 TWA ept Graphite es, respirable)	Ask Cry exc	ntaining no pestos and <1% stalline silica, ept Graphite es, respirable st)	2 mg/m3 TWA LMPE- PPT (synthetic and natural)	2.5 mg/m3 TWA (natural, respirable dust)
		Ex	pos	ure Limits/Gui	del	ines (Con't.)		
				Result		OSHA		
Iron oxide (1309-37-1)				TWAs		10 mg/m3 TWA (for 15 mg/m3 TWA (for dust, listed under Rouge); 5 mg/m3 (respirable fractio listed under Rouge)	otal TWA n,	
Titanium dioxide (13463-67-7)				TWAs		15 mg/m3 TWA (to	otal	
Clay (Proprietary)				TWAs		15 mg/m3 TWA (to dust); 5 mg/m3 TV (respirable fractio	VA	
Silicon carbide (409-21-2)				TWAs		15 mg/m3 TWA (to dust); 5 mg/m3 TV (respirable fractio	VA	
Graphite as Particulates not otherwise classific (PNOC)	ed			TWAs		15 mg/m3 TWA (synthetic, total do 5 mg/m3 TWA (synthetic, respira fraction)		

Exposure Limits Supplemental OSHA

- •Cristobalite (14464-46-1): **Mineral Dusts:** ((1/2)(30)/(%SiO2 + 2) mg/m3 TWA, total dust; (1/2)(250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (1/2)(10)/(%SiO2 + 2) mg/m3 TWA, respirable fraction)
- •Quartz (14808-60-7): **Mineral Dusts**: ((30)/(%SiO2 + 2) mg/m3 TWA, total dust; (250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (10)/(%SiO2 + 2) mg/m3 TWA, respirable fraction)
- •Silica, crystalline tridymite (15468-32-3): **Mineral Dusts**: ((1/2)(30)/(%SiO2 + 2) mg/m3 TWA, total dust; (1/2)(250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (1/2)(10)/(%SiO2 + 2) mg/m3 TWA, respirable fraction)
- Silica, amorphous (7631-86-9): Mineral Dusts: (20 mppcf TWA; (80)/(% SiO2) mg/m3 TWA)
- •Graphite (7782-42-5): Mineral Dusts: (15 mppcf TWA (natural))

Exposure controls

Engineering Measures/Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, 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.

Personal Protective Equipment

Respiratory

For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

Wear safety goggles.

Skin/Body

Wear long sleeves and/or protective coveralls.

General Industrial Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes or on skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Environmental Exposure Controls

Follow best practice for site management and disposal of waste. Dispose of in an approved landfill.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

Time-Weighted Averages are based on 8h/day, 40h/week

exposures

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Gray granular dry powder with ar earthy odor.
Color	Gray	Odor	Earthy
Particulate Size	600 µ	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	рН	Not relevant
Specific Gravity/Relative Density	1.3 to 1.6 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	0 %
VOC (Vol.)	0 %		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under normal temperatures and pressures.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

No data available.

Incompatible materials

No data available

Hazardous decomposition products

No data available

Section 11 - Toxicological Information

Information on toxicological effects

		Components
Aluminum sulfate (2:3) (0.57% TO 2.4%)	10043-01- 3	Irritation: Eye-Rabbit • 10 mg 24 Hour(s) • Severe irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 10138 mg/kg 8 Day(s)-Continuous; Kidney, Ureter, and Bladder:Other changes in urine composition; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:P
Gilsonite (12% TO 16%)	12002-43- 6	Multi-dose Toxicity: Inhalation-Human TCLo • 35.5 mg/m³ 1 Year(s)-Intermittent; <i>Lungs, Thorax, or Respiration</i> : Structural or functional change in trachea or bronchi ; <i>Lungs, Thorax, or Respiration</i> : Cough
Clay (7% TO 11.7%)	Proprietary	Multi-dose Toxicity: Inhalation-Rat TCLo • 30 mg/m³ 96 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Fibrosis (interstitial); Lungs, Thorax, or Respiration:Other changes; Lungs, Thorax, or Respiration:Tumors; Reproductive: Ingestion/Oral-Rat TDLo • 370 g/kg (37D pre/1-22D preg); Reproductive Effects:Maternal Effects:Other effects; Reproductive Effects:Effects on Newborn:Other neonatal measures or effects.
Titanium dioxide (0.0975% TO 0.195%)	13463-67- 7	Irritation: Skin-Human • 300 μg 3 Day(s)-Intermittent • Mild irritation; Tumorigen / Carcinogen: Inhalation-Rat TCLo • 250 mg/m³ 6 Hour(s) 2 Year(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors
Silicon carbide (9.49% TO 16%)	409-21-2	Tumorigen / Carcinogen: Implant-Rat TDLo • 200 mg/kg; <i>Tumorigenic</i> :Neoplastic by RTECS criteria; <i>Tumorigenic</i> :Tumors at site of application
Silica, amorphous (2.725% TO 6.49%)	7631-86-9	Irritation: Eye-Rabbit • 25 mg 24 Hour(s) • Mild irritation

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available
Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • Skin Sensitizer 1
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	OSHA HCS 2012 • No data available
Toxicity for Reproduction	OSHA HCS 2012 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • No data available

Route(s) of entry/exposure Medical Conditions Aggravated by Exposure Potential Health Effects

Inhalation

Acute (Immediate)
Chronic (Delayed)

- Inhalation, Skin, Eye, and Ingestion
- Any pre-existing conditions of the lungs. Inhalation of dust containing crystalline silica pulmonary diseases such as asthma and lung disorder associated with smoking.
- Nuisance dust may affect the lungs but reactions are typically reversible.
- Chronic overexposure to dust containing respirable sized crystalline silica can cause delayed lung injury (silicosis).

Skin

Acute (Immediate)

May cause skin sensitization. Symptoms include redness, and skin rash. Exposure to dust may cause mechanical irritation.

Chronic (Delayed)

No data available.

Eye

Acute (Immediate)

Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

Chronic (Delayed)

No data available.

Ingestion

Acute (Immediate)

Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Chronic (Delayed)

No data available.

Carcinogenic Effects

May cause cancer. IARC studies have shown sufficient evidence from animal studies to categorize crystalline silica as a group 1 carcinogen.

5 7 5					
Carcinogenic Effects					
	CAS	IARC	NTP		
Silica, crystalline - tridymite	15468-32-3	Group 1-Carcinogenic	Not Listed		
Titanium dioxide	13463-67-7	Group 2B-Possible Carcinogen	Not Listed		
Cristobalite	14464-46-1	Group 1-Carcinogenic	Not Listed		
Quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen		

Key to abbreviations

TC = Toxic Concentration

TD = Toxic Dose

Section 12 - Ecological Information

Toxicity

Material data lacking.

Persistence and degradability

Material data lacking.

Bioaccumulative potential

Material data lacking.

Mobility in Soil

Material data lacking.

Other adverse effects

No studies have been found.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user | None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture SARA Hazard Classifications | Acute, Chronic

		State Righ	t To Know	
Component	CAS	MA	NJ	PA
Aluminum sulfate (2:3)	10043-01-3	Yes	Yes	Yes
Bauxite	1318-16-7	No	No	No
Bentonite	1302-78-9	No	No	No
Cristobalite	14464-46-1	Yes	Yes	Yes
Graphite	7782-42-5	Yes	Yes	Yes
Clay	Proprietary	Yes	Yes	Yes
Quartz	14808-60-7	Yes	Yes	Yes
Silica, amorphous	7631-86-9	Yes	Yes	Yes
Silica, crystalline - tridymite	15468-32-3	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	Yes	Yes

		Inventory	
Component	CAS	Canada DSL	TSCA
Aluminum sulfate (2:3)	10043-01-3	Yes	Yes
Bauxite	1318-16-7	No	No
Bentonite	1302-78-9	Yes	Yes
Cristobalite	14464-46-1	Yes	Yes
Graphite	7782-42-5	Yes	Yes
Clay	Proprietary	Yes	Yes
Quartz	14808-60-7	Yes	Yes
Silica, amorphous	7631-86-9	Yes	Yes
Silica, crystalline - tridymite	15468-32-3	No	No
	1 1		

Titanium dioxide 13463-67-7 Yes Yes

Canada

bor Canada - WHMIS - Classifications of Substances		
Aluminum sulfate (2:3)	10043-01-3	D2B
Silica, crystalline - tridymite	15468-32-3	D2A
• Clay	Proprietary	D2A
Bauxite	1318-16-7	Not Listed
Titanium dioxide	13463-67-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Speci Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division
Cristobalite	14464-46-1	website.) D2A (In certain cases, this classification does not apply For more information, consult the section Substance Specilssues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
Silica, amorphous	7631-86-9	Uncontrolled product according to WHMIS classification criteria
• Quartz	14808-60-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Speci Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
Graphite	7782-42-5	D2A (natural); D2B (syntheti
Bentonite	1302-78-9	D2A
Canada - WHMIS - Ingredient Disclosure List		
Aluminum sulfate (2:3)	10043-01-3	Not Listed
• Silica, crystalline - tridymite	15468-32-3	1 %
• Clay	Proprietary	Not Listed
Bauxite	1318-16-7	1 %
Titanium dioxide	13463-67-7	Not Listed
Cristobalite	14464-46-1	1 %
Silica, amorphous	7631-86-9	1 %
• Quartz	14808-60-7	1 %
Graphite	7782-42-5	Not Listed
Bentonite	1302-78-9	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Aluminum sulfate (2:3)

Priority Substance List 2
(substance not considered toxic)

Silica, crystalline - tridymite	15468-32-3 Not Listed	
• Clay	Proprietary Not Listed	
Bauxite	1318-16-7 Not Listed	
Titanium dioxide	13463-67-7 Not Listed	
Cristobalite	14464-46-1 Not Listed	
Silica, amorphous	7631-86-9 Not Listed	
• Quartz	14808-60-7 Not Listed	
Graphite	7782-42-5 Not Listed	
Bentonite	1302-78-9 Not Listed	

United States

Aluminum sulfate (2:3)	10043-01-3	5000 lb final RQ; 2270 kg fin RQ
Silica, crystalline - tridymite	15468-32-3	Not Listed
• Clay	Proprietary	Not Listed
Bauxite	1318-16-7	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Cristobalite	14464-46-1	Not Listed
Silica, amorphous	7631-86-9	Not Listed
Quartz	14808-60-7	Not Listed
Graphite	7782-42-5	Not Listed
Bentonite	1302-78-9	Not Listed

United States - California

vironment U.S California - Proposition 65 - Carcinogens List		
Aluminum sulfate (2:3)	10043-01-3	Not Listed
Silica, crystalline - tridymite	15468-32-3	Not Listed
• Clay	Proprietary	Not Listed
Bauxite	1318-16-7	Not Listed
Titanium dioxide	13463-67-7	carcinogen, initial date 9/2/11 (airborne, unbound particles o respirable size)
Cristobalite	14464-46-1	Not Listed
Silica, amorphous	7631-86-9	Not Listed
• Quartz	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of respirable size)
Graphite	7782-42-5	Not Listed
Bentonite	1302-78-9	Not Listed

United States - Pennsylvania

Labor U.S Pennsylvania - RTK (Right to Know) - Environmental	Hazard List	
Aluminum sulfate (2:3)	10043-01-3	
Silica, crystalline - tridymite	15468-32-3	Not Listed
• Clay	Proprietary	Not Listed
Bauxite	1318-16-7	Not Listed
Titanium dioxide	13463-67-7	Not Listed
Cristobalite	14464-46-1	Not Listed
Silica, amorphous	7631-86-9	Not Listed

Quartz
 Graphite
 Bentonite
 14808-60-7 Not Listed
 Not Listed
 Not Listed
 Not Listed

Other Information

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

Section 16 - Other Information

Last Revision Date Preparation Date Disclaimer/Statement of Liability

29/December/2014

1 01/June/2009

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Key to abbreviations NDA = No data available