

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 05/29/2019

SECTION 1: Identification	
1.1. Identification	
	: Mixture
	: REFCAST Hot Floor
Product code	: 101807
1.2. Recommended use and restrictions of	on use
Recommended use	: Refractory Applications
1.3. Supplier	
Reno Refractories, Inc.	
601 Reno Drive	
P.O. Box 201	
Morris, AL 35116 - United States	
T 205-647-0240 - F 205-647-6854	
1.4. Emergency telephone number	
Emergency number	: 1-800-262-8200 CHEMTREC
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mix	
GHS-US classification	
Skin corrosion/irritation Category 1 Serious eye damage/eye irritation Category 1	Causes severe skin burns and eye damage Causes serious eve damage
Skin sensitization, Category 1	May cause an allergic skin reaction
Carcinogenicity Category 1A	May cause cancer
Specific target organ toxicity (single exposure) Cat Specific target organ toxicity (repeated exposure)	tegory 3 May cause respiratory irritation Causes damage to organs through prolonged or repeated exposure
Category 1	
2.2. GHS Label elements, including preca	utionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: Causes severe skin burns and eye damage May cause an allergic skin reaction
	Causes serious eye damage
	May cause respiratory irritation
	May cause respiratory irritation May cause cancer
Precautionary statements (GHS US)	May cause respiratory irritation
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray.
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Precautionary statements (GHS US)	<ul> <li>May cause respiratory irritation</li> <li>May cause cancer</li> <li>Causes damage to organs through prolonged or repeated exposure</li> <li>Obtain special instructions before use.</li> <li>Do not handle until all safety precautions have been read and understood.</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray.</li> <li>Wash hands, forearms and face thoroughly after handling.</li> <li>Do not eat, drink or smoke when using this product.</li> <li>Use only outdoors or in a well-ventilated area.</li> </ul>
Precautionary statements (GHS US)	<ul> <li>May cause respiratory irritation</li> <li>May cause cancer</li> <li>Causes damage to organs through prolonged or repeated exposure</li> <li>Obtain special instructions before use.</li> <li>Do not handle until all safety precautions have been read and understood.</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray.</li> <li>Wash hands, forearms and face thoroughly after handling.</li> <li>Do not eat, drink or smoke when using this product.</li> <li>Use only outdoors or in a well-ventilated area.</li> <li>Contaminated work clothing must not be allowed out of the workplace</li> </ul>
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting If on skin: Wash with plenty of water
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting If on skin: Wash with plenty of water If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting If on skin: Wash with plenty of water If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower If inhaled: Remove person to fresh air and keep comfortable for breathing
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting If on skin: Wash with plenty of water If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower If inhaled: Remove person to fresh air and keep comfortable for breathing If on eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
Precautionary statements (GHS US)	May cause respiratory irritation May cause cancer Causes damage to organs through prolonged or repeated exposure : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting If on skin: Wash with plenty of water If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower If inhaled: Remove person to fresh air and keep comfortable for breathing

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

		Call a poison center or doctor if you feel unwell Get medical advice/attention if you feel unwell. Specific treatment (see supplemental first aid instruction on this label) If skin irritation or rash occurs: Get medical advice/attention.
		Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
2.3.	Other hazards which do not result in	classification
No add	itional information available	
2.4.	Unknown acute toxicity (GHS US)	
Not app	blicable	
SECT	ION 3: Composition/Information	on ingredients

#### 3.1. **Substances**

#### Not applicable 3.2. **Mixtures**

Name	Product identifier	%	GHS-US classification
Cement	(CAS-No.) 65997-15-1	19.635 - 24	Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Silica, crystalline – cristobalite	(CAS-No.) 14464-46-1	9.15 - 16.015	STOT RE 1, H372
Crystalline silica	(CAS-No.) 14808-60-7	0.621 - 1.814	Carc. 1A, H350 STOT RE 1, H372
Calcium sulfate (Anhydrous)	(CAS-No.) 7778-18-9	0.84 - 1.625	Acute Tox. 4 (Oral), H302
Titanium dioxide	(CAS-No.) 13463-67-7	0.12 - 0.7775	Carc. 2, H351

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	Call a physician immediately.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effects	(acute and delayed)
Symptoms/effects after inhalation	May cause respiratory irritation.
Symptoms/effects after skin contact	Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	Serious damage to eyes.
	Burns.
4.3. Immediate medical attention and special treatment, if necessary	
Treat symptomatically.	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishin	g media
Suitable extinguishing media	Water spray. Dry powder. Foam.
5.2. Specific hazards arising from the cher	nical
No additional information available	
5.3. Special protective equipment and pre-	cautions for fire-fighters
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

according to Federal Register / Vol. //, No. 58 / Monday, March 26, 2012 / Rules and Regulations		
SECTION 6: Accidental release measures		
. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel Emergency procedures	<ul> <li>Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.</li> </ul>	
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment. Notify authorit	ies if product enters sewers or public waters.	
6.3. Methods and material for containme	ent and cleaning up	
Methods for cleaning up Other information	<ul><li>Mechanically recover the product. Notify authorities if product enters sewers or public waters.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>	
6.4.Reference to other sectionsFor further information refer to section 13.		
SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.	
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including any incompatibilities		

Storage conditions

: Store in a well-ventilated place. Keep container tightly closed. Keep cool.

# SECTION 8: Exposure controls/personal protection

8.1. (	Control	paramet	ers

Crystalline silica (	14808-60-7)	
ACGIH	Local name	Silica crystaline - quartz
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (Respirable fraction)
ACGIH	Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2018
OSHA	Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: (250 / (%SiO2+5)) for mppcf and (10 mg/m3 / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1.
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
Calcium sulfate (A	Anhydrous) (7778-18-9)	<b>`</b>
ACGIH	Local name	Calcium sulfate, the anhydrate
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Inhalable fraction)
ACGIH	Remark (ACGIH)	TLV® Basis: Nasal symptoms
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Cement (65997-15-	-1)	
ACGIH	Local name	Portland cement
ACGIH	ACGIH TWA (mg/m³)	1 mg/m <sup>3</sup> (Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica)
ACGIH	Remark (ACGIH)	TLV® Basis: Pulm func; resp symptoms; asthma. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
OSHA	OSHA PEL (TWA) (ppm)	50 mppcf (Silicates (less than 1% crystalline silica))
OSHA	Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1 and OSHA Annotated Table Z-3 Mineral Dusts
Titanium dioxide (	13463-67-7)	
ACGIH	Local name	Titanium dioxide
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m³
ACGIH	Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Silica, crystalline -	- cristobalite (14464-46-1)	
ACGIH	Local name	Silica crystaline - cristobalite
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (Respirable fraction)
ACGIH	Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2018
OSHA	Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use ½ the value calculated from the count or mass formulae for quartz. CAS No. source: eCFR Table Z-1.
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

## 8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.

: Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

#### **Respiratory protection:**

Wear respiratory protection.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and	chemical properties	
Physical state	: Solid	
Color	: Gray	
Odor	: Almost odourless	
Odor threshold	: No data available	
pH	: No data available	
Melting point	: No data available	
Freezing point	: Not applicable	
Boiling point	: No data available	
Flash point	: Not applicable	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Non flammable.	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: 2.08	
Solubility	: Water: < 0.1 %	
Log Pow	: No data available	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosion limits	: Not applicable	
Explosive properties	: No data available	
Oxidizing properties	: No data available	

## 9.2. Other information

No additional information available

SECTION	I 10: Stability and reactivity
10.1. R	eactivity
The product	is non-reactive under normal conditions of use, storage and transport.
10.2. C	hemical stability
Stable unde	r normal conditions.
10.3. Po	ossibility of hazardous reactions
No dangero	us reactions known under normal conditions of use.
10.4. Co	onditions to avoid
None under	recommended storage and handling conditions (see section 7).
10.5. In	compatible materials
	al information available
10.6. Ha	azardous decomposition products
Under norm	al conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
Calcium sulfate (Anhydrous) (7778	3-18-9)	
LD50 oral rat	> 1584 mg/kg body weight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Calcium sulfate (Anhydrous) (7778-18-9)	
LC50 inhalation rat (mg/l)	> 2.61 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))
ATE US (oral)	500 mg/kg body weight
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value, Oral, 14 day(s))
LC50 inhalation rat (mg/l)	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Crystalline silica (14808-60-7)	
IARC group	1 - Carcinogenic to humans
Titopium disuida (42402.07.7)	
Titanium dioxide (13463-67-7)	2P Descibly carriegonic to humans
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: May cause respiratory irritation.
Cement (65997-15-1)	
Specific target organ toxicity – single exposure	May cause respiratory irritation.
Specific target organ toxicity – repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Crystalline silica (14808-60-7)	
Specific target organ toxicity – repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Silica, crystalline – cristobalite (14464-46-1)	
Specific target organ toxicity – repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
/iscosity, kinematic	: No data available
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.

: Burns.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
Calcium sulfate (Anhydrous) (7778-18-9)	

2980 mg/l (96 h, Lepomis macrochirus)	
> 1000 mg/l (96 h, Pisces)	
Titanium dioxide (13463-67-7)	
> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)	
61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)	

Symptoms/effects after ingestion

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.2. Persistence and degradability		
Crystalline silica (14808-60-7)		
Persistence and degradability	Biodegradability: not applicable.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
Calcium sulfate (Anhydrous) (7778-18-9)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
Cement (65997-15-1)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
Titanium dioxide (13463-67-7)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
Silica, crystalline – cristobalite (14464-46	Silica, crystalline – cristobalite (14464-46-1)	
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
12.3 Bioaccumulativo potential		

# 12.3. Bioaccumulative potential

Calcium sulfate (Anhydrous) (7778-18-9)	
Bioaccumulative potential	No bioaccumulation data available.
Cement (65997-15-1)	
Bioaccumulative potential	Bioaccumulation: not applicable.
Titanium dioxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.
Silica, crystalline – cristobalite (14464-46-1)	
Bioaccumulative potential	No test data available.

# 12.4. Mobility in soil

Cement (65997-15-1)	
Ecology - soil	No (test)data on mobility of the substance available.
Titanium dioxide (13463-67-7)	
Ecology - soil	Low potential for mobility in soil.
Silica, crystalline – cristobalite (14464-46-1)	
Ecology - soil	No (test)data on mobility of the substance available.

# 12.5. Other adverse effects

No additional information available

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>SECTION 13: Dis</b>	posal considerations
------------------------	----------------------

### 13.1. Disposal methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

# **SECTION 14: Transport information**

## **Department of Transportation (DOT)**

In accordance with DOT

Not applicable

**Transportation of Dangerous Goods** 

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

# SECTION 15: Regulatory information

15.1. US Federal regulations

rystalline silica (14808-60-7)
sted on the United States TSCA (Toxic Substances Control Act) inventory
alcium sulfate (Anhydrous) (7778-18-9)
sted on the United States TSCA (Toxic Substances Control Act) inventory
ement (65997-15-1)
sted on the United States TSCA (Toxic Substances Control Act) inventory
itanium dioxide (13463-67-7)
sted on the United States TSCA (Toxic Substances Control Act) inventory
ilica, crystalline – cristobalite (14464-46-1)
sted on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

### CANADA

Crystalline silica (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List)
Calcium sulfate (Anhydrous) (7778-18-9)
Listed on the Canadian DSL (Domestic Substances List)
Cement (65997-15-1)
Listed on the Canadian DSL (Domestic Substances List)
Titanium dioxide (13463-67-7)
Listed on the Canadian DSL (Domestic Substances List)
Silica, crystalline – cristobalite (14464-46-1)
Listed on the Canadian DSL (Domestic Substances List)

### **EU-Regulations**

No additional information available

#### **National regulations**

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Crystalline silica (14808-60-7)	
Listed on IARC (International Agency for Research on Cancer)	
Titanium dioxide (13463-67-7)	
Listed on IARC (International Agency for Research on Cancer)	

### 15.3. US State regulations

Component	State or local regulations
Crystalline silica(14808-60-7)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Calcium sulfate (Anhydrous)(7778-18-9)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Cement(65997-15-1)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Titanium dioxide(13463-67-7)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Silica, crystalline – cristobalite(14464-46-1)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

# **SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Revision date

: 05/29/2019

#### Full text of H-phrases:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure

#### SDS US (GHS HazCom 2012)

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of it's publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. Reno Refractories, Inc. makes no warranties, expressed or implied, with respect to such information, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.