

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 03/27/2019

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Trade name	: Reno Lite Cast 22
Product code	: 133200
I.2. Recommended use and restriction	
Recommended use	: Refractory Applications
1.3. Supplier	
Reno Refractories, Inc.	
601 Reno Drive	
P.O. Box 201	
Morris, AL 35116 - United States	
<sup>-</sup> 205-647-0240 - F 205-647-6854	
1.4. Emergency telephone number	
Emergency number	: 1-800-262-8200 CHEMTREC
SECTION 2: Hazard(s) identificatio	n
2.1. Classification of the substance or	mixture
GHS-US classification	
Skin corrosion/irritation Category 1	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	Causes serious eye damage
Skin sensitization, Category 1 Carcinogenicity Category 1A	May cause an allergic skin reaction May cause cancer
Specific target organ toxicity (single exposure)	Category 3 May cause respiratory irritation
Specific target organ toxicity (repeated exposu	ire) Causes damage to organs through prolonged or repeated exposure
Category 1	
2.2. GHS Label elements, including pr	ecautionary 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 cancer
	Causes damage to organs through prolonged or repeated exposure
Precautionary statements (GHS US)	<ul> <li>Obtain special instructions before use.</li> <li>Do not handle until all safety precautions have been read and understood.</li> </ul>
	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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing If exposed or concerned: Get medical advice/attention.
	Call a poison center or doctor if you feel unwell
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	Get medical advice/attention if your Specific treatment (see supplement If skin irritation or rash occurs: Go Wash contaminated clothing befor Store in a well-ventilated place. M Dispose of contents/container to with local, regional, national and/	ental first aid instructi et medical advice/atto ore reuse. Keep container tightly hazardous or specia	ention. closed. waste collection point, in accordance
2.3. Other hazards which do not result in	n classification		
No additional information available			
2.4. Unknown acute toxicity (GHS US)			
Not applicable			
<b>SECTION 3: Composition/Information</b>	n on ingredients		
3.1. Substances			
Not applicable			
3.2. Mixtures			
Name	Product identifier	%	GHS-US classification
Cement	(CAS-No.) 65997-15-1	37.4 - 42.24	Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Silica, crystalline – cristobalite	(CAS-No.) 14464-46-1	6.6 - 12.9	STOT RE 1, H372
Calcium sulfate (Anhydrous)	(CAS-No.) 7778-18-9	1.6 - 2.86	Acute Tox. 4 (Oral), H302
Crystalline silica	(CAS-No.) 14808-60-7	0.04 - 1.844	Carc. 1A, H350 STOT RE 1, H372

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

SECTION 4: First-aid measures	
4.1. Description of first aid measures	3
First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. Call a physician immediately.
First-aid measures after inhalation	<ul> <li>Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. Call a poison center/doctor/physician if you feel unwell.</li> </ul>
First-aid measures after skin contact	: Rinse skin with water/shower. Wash skin with plenty of water. Take off contaminated clothing. Remove/Take off immediately all contaminated clothing. Call a physician immediately. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	<ul> <li>Rinse eyes with water as a precaution. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a physician immediately.</li> </ul>
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately. Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and e	ffects (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.
Symptoms/effects after ingestion	: Burns.
4.3. Immediate medical attention and	I special treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measure	es a la companya de l
5.1. Suitable (and unsuitable) exting	uishing media
Suitable extinguishing media	: Water spray. Dry powder. Foam.
5.2 Specific becards printing from the	a chamical

### 5.2. Specific hazards arising from the chemical

No additional information available

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5.0	On a sial much active a multimeter of and	continue for fire firefore
5.3. Protectio	Special protective equipment and pre	<ul> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>
SECTI	ON 6: Accidental release measu	ires
6.1.	Personal precautions, protective equi	pment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerger	ncy procedures	<ul> <li>Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.</li> </ul>
6.1.2.	For emergency responders	
Protectiv	e 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 rel	ease to the environment. Notify authorities	s if product enters sewers or public waters.
6.3.	Methods and material for containmen	t and cleaning up
Methods	for cleaning up	: Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other inf	ormation	Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furth	er information refer to section 13.	
SECTI	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precautio	ons for safe handling	: 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. Use only outdoors or in a well-ventilated area. 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

- 7.2.
   Conditions for safe storage, including any incompatibilities

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

eat, drink or smoke when using this product. Always wash hands after handling the product.

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
Crystalline silica (14808-60-7	7)		
ACGIH	Local name	Silica crystaline - quartz	
ACGIH	ACGIH TWA (mg/m³)	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 (Anhydrous) (7778-18-9)			
ACGIH	Local name	Calcium sulfate, the anhydrate	
ACGIH	ACGIH TWA (mg/m³)	10 mg/m <sup>3</sup> (Inhalable fraction)	
ACGIH	Remark (ACGIH)	TLV® Basis: Nasal symptoms	
ACGIH	Regulatory reference	ACGIH 2018	

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Calcium sulfate (A	nhydrous) (7778-18-9)	
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
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
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

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

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	

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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	: 2.2 - 2.9
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 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

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O - and a - and a data	Management
Carcinogenicity	: May cause cancer.
Crystalline silica (14808-60-7)	
IARC group	1 - 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
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation Symptoms/effects after skin contact	<ul> <li>May cause respiratory irritation.</li> <li>Burns. May cause an allergic skin reaction.</li> </ul>
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
SECTION 12: Ecological information	
12.1. Toxicity	
	: Before neutralisation, the product may represent a danger to aquatic organisms.
Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
	<ul> <li>Before neutralisation, the product may represent a danger to aquatic organisms.</li> <li>2980 mg/l (96 h, Lepomis macrochirus)</li> </ul>
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9)	
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1	
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1	2980 mg/l (96 h, Lepomis macrochirus)
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability	2980 mg/l (96 h, Lepomis macrochirus)
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7)	2980 mg/l (96 h, Lepomis macrochirus) > 1000 mg/l (96 h, Pisces)
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7) Persistence and degradability	2980 mg/l (96 h, Lepomis macrochirus)  > 1000 mg/l (96 h, Pisces)  Biodegradability: not applicable.
Ecology - general         Calcium sulfate (Anhydrous) (7778-18-9)         LC50 fish 1         Cement (65997-15-1)         LC50 fish 1         12.2.         Persistence and degradability         Crystalline silica (14808-60-7)         Persistence and degradability         Biochemical oxygen demand (BOD)	2980 mg/l (96 h, Lepomis macrochirus) > 1000 mg/l (96 h, Pisces)
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7) Persistence and degradability	2980 mg/l (96 h, Lepomis macrochirus)  > 1000 mg/l (96 h, Pisces)  Biodegradability: not applicable.
Ecology - general         Calcium sulfate (Anhydrous) (7778-18-9)         LC50 fish 1         Cement (65997-15-1)         LC50 fish 1         12.2.         Persistence and degradability         Crystalline silica (14808-60-7)         Persistence and degradability         Biochemical oxygen demand (BOD)	2980 mg/l (96 h, Lepomis macrochirus) > 1000 mg/l (96 h, Pisces) Biodegradability: not applicable. Not applicable
Ecology - general         Calcium sulfate (Anhydrous) (7778-18-9)         LC50 fish 1         Cement (65997-15-1)         LC50 fish 1         12.2. Persistence and degradability         Crystalline silica (14808-60-7)         Persistence and degradability         Biochemical oxygen demand (BOD)         Chemical oxygen demand (COD)	2980 mg/l (96 h, Lepomis macrochirus) > 1000 mg/l (96 h, Pisces) Biodegradability: not applicable. Not applicable Not applicable
Ecology - general         Calcium sulfate (Anhydrous) (7778-18-9)         LC50 fish 1         Cement (65997-15-1)         LC50 fish 1         12.2. Persistence and degradability         Crystalline silica (14808-60-7)         Persistence and degradability         Biochemical oxygen demand (BOD)         Chemical oxygen demand (COD)         ThOD	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable         Not applicable         Not applicable         Not applicable
Ecology - general         Calcium sulfate (Anhydrous) (7778-18-9)         LC50 fish 1         Cement (65997-15-1)         LC50 fish 1         12.2. Persistence and degradability         Crystalline silica (14808-60-7)         Persistence and degradability         Biochemical oxygen demand (BOD)         Chemical oxygen demand (COD)         ThOD         BOD (% of ThOD)	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable         Not applicable         Not applicable         Not applicable
Ecology - general         Calcium sulfate (Anhydrous) (7778-18-9)         LC50 fish 1         Cement (65997-15-1)         LC50 fish 1         12.2. Persistence and degradability         Crystalline silica (14808-60-7)         Persistence and degradability         Biochemical oxygen demand (BOD)         Chemical oxygen demand (COD)         ThOD         BOD (% of ThOD)         Calcium sulfate (Anhydrous) (7778-18-9)	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable         Not applicable         Not applicable         Not applicable         Not applicable         Biodegradability: not applicable.
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability Chemical oxygen demand (COD) ThOD	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability Chemical oxygen demand (COD) ThOD BOD (% of ThOD) ThOD BOD (% of ThOD)	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability Chemical oxygen demand (COD) ThOD BOD (% of ThOD)	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable         Not applicable         Not applicable         Not applicable         Biodegradability: not applicable.         Not applicable
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 Crystalline silica (14808-60-7) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Cement (65997-15-1) Persistence and degradability	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable         Biodegradability: not applicable.         Not applicable         Not applicable         Biodegradability: not applicable.
Ecology - general Calcium sulfate (Anhydrous) (7778-18-9) LC50 fish 1 Cement (65997-15-1) LC50 fish 1 12.2. Persistence and degradability Crystalline silica (14808-60-7) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Calcium sulfate (Anhydrous) (7778-18-9) Persistence and degradability Chemical oxygen demand (COD) ThOD BOD (% of ThOD) Cement (65997-15-1) Persistence and degradability Chemical oxygen demand (COD)	2980 mg/l (96 h, Lepomis macrochirus)         > 1000 mg/l (96 h, Pisces)         Biodegradability: not applicable.         Not applicable         Not applicable         Not applicable         Biodegradability: not applicable.         Not applicable         Not applicable         Biodegradability: not applicable.         Not applicable         Biodegradability: not applicable.         Not applicable         Biodegradability: not applicable.         Not applicable         Not applicable
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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. Bioaccumulative potential

Calcium sulfate (Anhydrous) (7778-18-9)		
Bioaccumulative potential	No bioaccumulation data available.	
Cement (65997-15-1)		
Bioaccumulative potential	Bioaccumulation: not applicable.	
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.	
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

## SECTION 13: Disposal 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		
Crystalline silica (14808-60-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Calcium sulfate (Anhydrous) (7778-18-9)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		

## Cement (65997-15-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

#### CANADA

|--|

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)

#### Silica, crystalline – cristobalite (14464-46-1)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

#### **National regulations**

#### Crystalline silica (14808-60-7)

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
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

: 03/27/2019

#### 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	
H372	Causes damage to organs through prolonged or repeated exposure	

SDS US (GHS HazCom 2012)

## Safety Data Sheet

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

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