

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 03/01/2019

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Trade name	: Coke Oven Frame Patch
Product code	: 416700
1.2. Recommended use and restrictions	
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 mi	ixture
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.
Carcinogenicity, Category 1A	May cause cancer.
Specific target organ toxicity — Repeated exposu	rre, Category 1 Causes damage to organs through prolonged or repeated exposure.
2.2. GHS Label elements, including preca	autionary statements
GHS US labelling	
GHS US labelling Hazard pictograms (GHS US)	
_	
_	
_	
_	: Danger
Hazard pictograms (GHS US)	<ul> <li>Danger</li> <li>Causes severe skin burns and eye damage.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US)	<ul> <li>: Danger</li> <li>: Causes severe skin burns and eye damage. Causes serious eye damage.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US)	<ul> <li>Danger</li> <li>Causes severe skin burns and eye damage.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US)	<ul> <li>: Danger</li> <li>: Causes severe skin burns and eye damage. Causes serious eye damage. Causes serious eye damage. May cause cancer. Causes damage to organs through prolonged or repeated exposure.</li> <li>: Obtain special instructions before use.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>: Vertical and the second se</li></ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>: I Danger</li> <li>: Causes severe skin burns and eye damage. Causes serious eye damage. Causes serious eye damage. May cause cancer. Causes damage to organs through prolonged or repeated exposure.</li> <li>: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>: We handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray.</li> <li>: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray.</li> <li>: Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>: Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>: We handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray.</li> <li>: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray.</li> <li>: Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomting</li> <li>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>: We are protective gloves/protective clothing/eye protection/face protection.</li> <li>If swallowed: rinse mouth. Do NOT induce vomiting</li> <li>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> <li>If inhaled: Remove person to fresh air and keep comfortable for breathing</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomting</li> <li>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>If exposed or concerned: Get medical advice/attention.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>Wash bands, forearms and face thoroughly after handling. Do not headly forearms and face thoroughly after handling. Do not handle until all safety precautions have been read and understood. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> <li>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. Get medical advice/attention if you feel unwell.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>If exposed or concerned: Get medical advice/attention.</li> </ul>
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>If swallowed: rinse mouth. Do NOT induce vomiting</li> <li>If near Skin with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>If exposed or concerned: Get medical advice/attention.</li> <li>Get medical advice/attention if you feel unwell.</li> <li>Specific treatment (see supplemental first aid instruction on this label)</li> </ul>

2.3. Other hazards which do not result in classification

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#### 2.4. Unknown acute toxicity (GHS US)

### Not applicable

# **SECTION 3: Composition/information on ingredients**

#### 3.1. **Substances**

### Not applicable

#### **Mixtures** 3.2.

Name	Product identifier	%	GHS US classification
Silica, crystalline – cristobalite	(CAS-No.) 14464-46-1	4.5 - 8.252	STOT RE 1, H372
Sodium silicate	(CAS-No.) 1344-09-8	6.123 - 7.536	Skin Corr. 1, H314 Eye Dam. 1, H318
Crystalline silica	(CAS-No.) 14808-60-7	2.2 - 6.5	Carc. 1A, H350 STOT RE 1, H372
Titanium dioxide	(CAS-No.) 13463-67-7	0.344 - 1.091	Carc. 2, H351

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

SECTI	ON 4: First-aid measures	
4.1.	Description of first aid measures	
First-aid	measures general	IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell. Get medical advice/attention if you feel unwell. Call a physician immediately.
First-aid	measures after inhalation :	Remove person to fresh air and keep comfortable for breathing.
First-aid	measures after skin contact	Rinse skin with water/shower. Wash skin with plenty of water. Take off contaminated clothing. 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	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.
First-aid	measures after ingestion	Rinse mouth. Do not induce vomiting. Call a physician immediately. Call a poison center or a doctor if you feel unwell.
4.2.	Most important symptoms and effects	acute and delayed)
Sympton	ns/effects after skin contact	Burns.
Sympton	ns/effects after eye contact	Serious damage to eyes.
Sympton	ns/effects after ingestion	Burns.
4.3.	Immediate medical attention and spec	ial treatment, if necessary
Treat sy	nptomatically.	
SECTI	ON 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguishin	ng media
5.1.	Suitable (and unsuitable) extinguishin	n <mark>g media</mark> Water spray. Dry powder. Foam.
5.1.	Suitable (and unsuitable) extinguishin	Water spray. Dry powder. Foam.
5.1. Suitable 5.2.	Suitable (and unsuitable) extinguishin extinguishing media	Water spray. Dry powder. Foam.
5.1. Suitable 5.2.	Suitable (and unsuitable) extinguishin extinguishing media	Water spray. Dry powder. Foam. mical
5.1. Suitable 5.2. No addit 5.3.	Suitable (and unsuitable) extinguishin extinguishing media Specific hazards arising from the cher ional information available Special protective equipment and press	Water spray. Dry powder. Foam. mical
5.1. Suitable 5.2. No addit 5.3. Protectic	Suitable (and unsuitable) extinguishin extinguishing media Specific hazards arising from the cher ional information available Special protective equipment and press	<ul> <li>Water spray. Dry powder. Foam.</li> <li>mical</li> <li>cautions for fire-fighters</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>
5.1. Suitable 5.2. No addit 5.3. Protectic	Suitable (and unsuitable) extinguishin extinguishing media Specific hazards arising from the cher ional information available Special protective equipment and pre- in during firefighting	Water spray. Dry powder. Foam.  mical  cautions for fire-fighters  Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  Ires
5.1. Suitable 5.2. No addit 5.3. Protectic	Suitable (and unsuitable) extinguishing         extinguishing media         Specific hazards arising from the cher         ional information available         Special protective equipment and predom         in during firefighting         ON 6: Accidental release measu	Water spray. Dry powder. Foam.  mical  cautions for fire-fighters  Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  Ires
5.1. Suitable 5.2. No addit 5.3. Protectic SECTI 6.1. 6.1.1.	Suitable (and unsuitable) extinguishing         extinguishing media         Specific hazards arising from the chert         ional information available         Special protective equipment and predim         on during firefighting         ON 6: Accidental release measu         Personal precautions, protective equi         For non-emergency personnel	Water spray. Dry powder. Foam.  mical  cautions for fire-fighters  Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  Ires
5.1. Suitable 5.2. No addit 5.3. Protectic SECTI 6.1. 6.1.1.	Suitable (and unsuitable) extinguishin         extinguishing media         Specific hazards arising from the cher         ional information available         Special protective equipment and predim         on during firefighting         ON 6: Accidental release measu         Personal precautions, protective equi         For non-emergency personnel	<ul> <li>Water spray. Dry powder. Foam.</li> <li>mical</li> <li>cautions for fire-fighters</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> <li>Ires</li> <li>pment and emergency procedures</li> <li>Only qualified personnel equipped with suitable protective equipment may intervene. Do not</li> </ul>
5.1. Suitable 5.2. No addit 5.3. Protectic 6.1. 6.1.1. Emerger 6.1.2.	Suitable (and unsuitable) extinguishing         extinguishing media         Specific hazards arising from the chert         ional information available         Special protective equipment and predom         on during firefighting         ON 6: Accidental release measu         Personal precautions, protective equi         For non-emergency personnel         ncy procedures         For emergency responders	<ul> <li>Water spray. Dry powder. Foam.</li> <li>mical</li> <li>cautions for fire-fighters</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> <li>Ires</li> <li>pment and emergency procedures</li> <li>Only qualified personnel equipped with suitable protective equipment may intervene. Do not</li> </ul>
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5.1. Suitable 5.2. No addit 5.3. Protectic SECTI 6.1. 6.1.1. Emerger 6.1.2. Protectiv 6.2.	Suitable (and unsuitable) extinguishing         extinguishing media         Specific hazards arising from the chertional information available         Special protective equipment and prevan during firefighting         ON 6: Accidental release measu         Personal precautions, protective equi         For non-emergency personnel         ncy procedures         For emergency responders         e equipment         Environmental precautions	<ul> <li>Water spray. Dry powder. Foam.</li> <li>mical</li> <li>cautions for fire-fighters</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> <li>Ires</li> <li>pment and emergency procedures</li> <li>Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.</li> <li>Do not attempt to take action without suitable protective equipment. For further information</li> </ul>

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6.3. Methods and material for containmen	it and cleaning up
Methods for cleaning up	: Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For 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/vapours/spray. Avoid contact with skin and eyes.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	g any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep cool.

# SECTION 8: Exposure controls/personal protection

8.1.	Control	parameters

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
Titanium dioxide (	13463-67-7)	
ACGIH	Local name	Titanium dioxide
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
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/m <sup>3</sup> )	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
Sodium silicate (13	344-09-8)	
Not applicable		

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### 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:**

[In case of inadequate ventilation] wear respiratory protection.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	d chemical properties
Physical state	: Solid
Colour	: Grey
Odour	: Almost odourless
Odour threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 2.2 - 2.9
Solubility	: No data available
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
Explosive limits	: Not applicable
Explosive properties	: No data available
Oxidising 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.

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10.4. Conditions to avoid	
None under recommended storage and han	dling conditions (see section 7).
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition prod	ucts
	, hazardous decomposition products should not be produced.
-	
SECTION 11: Toxicological inform	
<b>11.1.</b> Information on toxicological effe	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified : Not classified
Acute toxicity (inhalation)	
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg bodyweight (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))
Sodium silicate (1344-09-8)	
LD50 oral rat	> 2000 mg/kg (Rat, Oral)
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Crystalline silica (14808-60-7)	
IARC group	1 - Carcinogenic to humans
Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Crystalline silica (14808-60-7)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Silica, crystalline – cristobalite (14464-4	6-1)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

SECTION 12: Ecological in	formation
12.1. Toxicity	
Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
Titanium dioxide (13463-67-7)	
LC50 fish 1	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 (algae)	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh

water, Experimental value, Nominal concentration)

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Sodium silicate (1344-09-8)			
LC50 fish 1	3185 mg/l (96 h, Brachydanio rerio, Not neutralized)		
EC50 Daphnia 1	216 mg/l (96 h, Daphnia magna)		
EC50 Daphnia 2	160 mg/l (96 h, Amphipoda)		
I			
2.2. 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		
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 (14464-46-1)			
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
BOD (% of ThOD)	Not applicable		
Sodium silicate (1344-09-8)			
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
BOD (% of ThOD)	Not applicable		

#### 12.3. **Bioaccumulative potential**

Titanium dioxide (13463-67-7)		
Bioaccumulative potential	Not bioaccumulative.	
Silica, crystalline – cristobalite (14464-46-1)		
Bioaccumulative potential	No test data available.	
Sodium silicate (1344-09-8)		
Bioaccumulative potential	No test data of component(s) available.	

#### 12.4. Mobility in soil

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.	
Sodium silicate (1344-09-8)		
Ecology - soil	No (test)data on mobility of the components 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.			
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# 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	
Titanium dioxide (13463-67-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Silica, crystalline – cristobalite (14464-46-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium silicate (1344-09-8)	
Listed 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)		
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)		
Sodium silicate (1344-09-8)		
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)		
Titanium dioxide (13463-67-7)		
Listed on IARC (International Agency for Research on Cancer)		

15.3. US State regulations

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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
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**

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#### Full text of H-statements:

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.

### SDS US (GHS HazCom 2012)

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