

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 06/15/2022

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Trade name	: KleenKast™ MPF
Product code	: 273400
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 sales@r-ref.com - www.renorefractories.com	
1.4. Emergency telephone number	
Emergency number	1.800.262.8200 CHEMTREC
Emergency number	: 1-800-262-8200 CHEMTREC
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or m	iixture
GHS US classification	
Carcinogenicity Category 1A	May cause cancer
Specific target organ toxicity (repeated exposu	
Category 1	
2.2. GHS Label elements, including prec	autionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
,	
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: May cause cancer
	Causes damage to organs through prolonged or repeated exposure
Precautionary statements (GHS US)	: 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.
	Wear protective gloves/protective clothing/eye protection/face protection.
	If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.
	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	1 Classification
No additional information available	
2.4. Unknown acute toxicity (GHS US)	
Not applicable	
SECTION 3: Composition/Informatio	n on ingredients
3.1. Substances	
Not applicable	
3.2. Mixtures	

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Name	Product identifier	%	GHS US classification
Silicon carbide	(CAS-No.) 409-21-2	4 – 11	Carc. 1B, H350
Zirconium oxide	(CAS-No.) 1314-23-4	1.75 – 5.7	Acute Tox. 4 (Inhalation:dust,mist), H332
Crystalline silica	(CAS-No.) 14808-60-7	≤ 4.475	Carc. 1A, H350 STOT RE 1, H372
Adipic acid, dimethyl ester	(CAS-No.) 627-93-0	≤ 2.1	Acute Tox. 4 (Dermal), H312
Carbon Black	(CAS-No.) 1333-86-4	1 – 2	Carc. 2, H351
Pitch	(CAS-No.) 61789-60-4	1 – 2	Carc. 1B, H350
Titanium dioxide	(CAS-No.) 13463-67-7	0.22 – 1.084	Carc. 2, H351
Sulfur	(CAS-No.) 7704-34-9	≤1	Skin Irrit. 2, H315

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

SECT	ION 4: First-aid measures	
4.1.	Description of first aid measures	
First-a	id measures general	: IF exposed or concerned: Get medical advice/attention.
First-a	id measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-a	id measures after skin contact	: Wash skin with plenty of water.
First-a	id measures after eye contact	: Rinse eyes with water as a precaution.
First-a	id measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
4.2.	Most important symptoms and effect	s (acute and delayed)
4.3.	Immediate medical attention and spe	cial treatment, if necessary
Treat sy	mptomatically.	
SECT	ION 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguishi	ng media
Suitab	le extinguishing media	: Water spray. Dry powder. Foam.
5.2.	Specific hazards arising from the che	emical
Hazar	dous decomposition products in case of	: Toxic fumes may be released.
fire		
5.3.	Special protective equipment and pre	ecautions for fire-fighters
Protec	tion during firefighting	<ul> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>
SECT	ION 6: Assidental release mass	
	ION 6: Accidental release meas	
6.1.	Personal precautions, protective equ	ipment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerg	gency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.
6.1.2.	For emergency responders	
Protec	tive 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 re	elease to the environment. Notify authoritie	es if product enters sewers or public waters.
6.3.	Methods and material for containmer	nt and cleaning up
Metho	ds 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.

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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.	
Hygiene measures	: Separate working clothes from town clothes. Launder separately. 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 cool.	

### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

KleenKast™ MPF	
No additional information available	
Zirconium oxide (1314-23-4)	
USA - ACGIH - Occupational Exposure Lin	nits
ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
ACGIH STEL (mg/m³)	10 mg/m <sup>3</sup>
Carbon Black (1333-86-4)	
USA - ACGIH - Occupational Exposure Lin	nits
Local name	Carbon black
ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (Inhalable fraction)
Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Lim	its
Local name	Carbon black
OSHA PEL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Titanium dioxide (13463-67-7)	
USA - ACGIH - Occupational Exposure Lin	nits
Local name	Titanium dioxide
ACGIH TWA (mg/m³)	10 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Lim	its
Local name	Titanium dioxide (Total dust)
OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Crystalline silica (14808-60-7)	
USA - ACGIH - Occupational Exposure Lin	nits
Local name	Silica crystaline - quartz
ACGIH TWA (mg/m³)	0.025 mg/m <sup>3</sup> (Respirable fraction)
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Lim	its
Local name	Quartz (Respirable) (Silica: Crystalline)
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.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

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Silicon carbide (409-21-2)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Silicon carbide	
ACGIH TWA (mg/m³)	<ul> <li>3 mg/m³ (Respirable fraction. The value is for particulate matter containing no asbestos and &lt; 1% crystalline silica)</li> <li>0.1 fibers/cm³ (Respirable fibers: length &gt; 5 μm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination)</li> <li>10 mg/m³ (Inhalable fraction. The value is for particulate matter containing no asbestos and &lt; 1% crystalline silica)</li> </ul>	
Remark (ACGIH)	Non fibrous = TLV® Basis: URT irr Fibrous (including whiskers) = TLV® Basis: Mesothelioma; cancer. Notations: A2 (Suspected Human Carcinogen)	
Regulatory reference	ACGIH 2020	
USA - OSHA - Occupational Exposure Limits		
Local name	Silicon carbide	
OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
Adipic acid, dimethyl ester (627-93-0)		
No additional information available		
Pitch (61789-60-4)		
No additional information available		
Sulfur (7704-34-9)		
No additional information available		

#### 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.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties			
9.1. Information on basic p	physical and chemical properties		
Physical state	: Solid		
Appearance	: Moist solid.		
Color	: Black		
Odor	: Characteristic odour		
Odor threshold	: No data available		
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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 (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	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (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 dang	gerous 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.

SECTION 11: Toxicological informatio	n
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Zirconium oxide (1314-23-4)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LC50 Inhalation - Rat	> 4.3 mg/l (OECD 436: Acute inhalation toxicity-acute toxic class method, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))
ATE US (dust, mist)	1.5 mg/l/4h
Carbon Black (1333-86-4)	
LD50 oral rat	> 10000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 28 day(s))

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Carbon Black (1333-86-4)		
LC50 Inhalation - Rat	> 4.6 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Experimental value, Inhalation (dust))	
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	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))	
Silicon carbide (409-21-2)		
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)	
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)	
Adipic acid, dimethyl ester (627-93-0)		
LD50 oral rat	> 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, 14 day(s), Rat, Female, Read-across, Oral)	
LD50 dermal rabbit	> 1000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal)	
LC50 Inhalation - Rat	> 11 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol))	
ATE US (dermal)	1100 mg/kg body weight	
Sulfur (7704-34-9)		
LD50 oral rat	> 2000 mg/kg (EPA OPP 81-1: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	<ul> <li>&gt; 2000 mg/kg (EPA OPP 81-2, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))</li> </ul>	
LC50 Inhalation - Rat	<ul> <li>&gt; 5.43 mg/l (EPA OPP 81-3: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))</li> </ul>	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: May cause cancer.	
Carbon Black (1333-86-4)	2D. Dessibly corring gania to humana	
IARC group	2B - Possibly carcinogenic to humans	
Titanium dioxide (13463-67-7)		
IARC group	2B - Possibly carcinogenic to humans	
Crystalline silica (14808-60-7)		
IARC group	1 - Carcinogenic to humans	
Silicon carbide (409-21-2)		
IARC group	2A - Probably 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.	
Aspiration hazard	: Not classified	
Viscosity, kinematic	: No data available	
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## SECTION 12: Ecological information

2.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Zirconium oxide (1314-23-4)	
LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	> 100 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)
Carbon Black (1333-86-4)	
LC50 fish 1	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	> 5600 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 (algae)	> 10000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
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)
Adipic acid, dimethyl ester (627-93-0)	
LC50 fish 1	18 – 24 ppm (EPA OTS 797.1400, 96 h, Pimephales promelas, Static system, Fresh water, Read-across)
EC50 Daphnia 1	72 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
Sulfur (7704-34-9)	
EC50 Daphnia 1	> 5 µg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, Greater than the water solubility)
2.2. Persistence and degradability	
Zirconium oxide (1314-23-4)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
Carbon Black (1333-86-4)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
Titanium dioxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
Crystalline silica (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
Silicon carbide (409-21-2)	
Persistence and degradability	Piodogradability: not applicable

Persistence and degradability

Biodegradability: not applicable.

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Silicon carbide (409-21-2)		
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
Adipic acid, dimethyl ester (627-93-0)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	1.747 g O <sub>2</sub> /g substance	
Sulfur (7704-34-9)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
2.3. Bioaccumulative potential		
Zirconium oxide (1314-23-4)		
BCF other aquatic organisms 1	0.64 (24 h, Chlorella sp., Fresh water, Read-across, Fresh weight)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Carbon Black (1333-86-4)		
Bioaccumulative potential	Not bioaccumulative.	
Titanium dioxide (13463-67-7)		
Bioaccumulative potential	Not bioaccumulative.	
Crystalline silica (14808-60-7)		
Bioaccumulative potential	No bioaccumulation data available.	
Silicon carbide (409-21-2)		
Bioaccumulative potential	Bioaccumulation: not applicable.	
Adipic acid, dimethyl ester (627-93-0)		
Partition coefficient n-octanol/water (Log Pow)	1.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Sulfur (7704-34-9)		
Partition coefficient n-octanol/water (Log Pow)	0.23 (Estimated value)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
2.4. Mobility in soil		
Zirconium oxide (1314-23-4)		
Surface tension Not applicable (solid)		
Ecology - soil	No (test)data on mobility of the substance available.	

	No (lest)data on mobility of the substance available.		
Carbon Black (1333-86-4)			
Surface tension	Not applicable (solid)		
Ecology - soil	No (test)data on mobility of the substance available. Not toxic to plants. Not toxic to animals.		
Titanium dioxide (13463-67-7)			
Ecology - soil	Low potential for mobility in soil.		
Crystalline silica (14808-60-7)			
Ecology - soil	No (test)data on mobility of the substance available.		
Adipic acid, dimethyl ester (627-93-0)			
Ecology - soil	No (test)data on mobility of the substance available.		
Sulfur (7704-34-9)			
Surface tension	No data available in the literature		
Ecology - soil	Adsorbs into the soil. Not toxic to bees.		
	I		

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### 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

### KleenKast™ MPF

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### 15.2. International regulations

### CANADA

Zirconium oxide (1314-23-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Carbon Black (1333-86-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Titanium dioxide (13463-67-7)	
Listed on the Canadian DSL (Domestic Substances List)	
Crystalline silica (14808-60-7)	
Listed on the Canadian DSL (Domestic Substances List)	
Silicon carbide (409-21-2)	
Listed on the Canadian DSL (Domestic Substances List)	
Adipic acid, dimethyl ester (627-93-0)	
Listed on the Canadian DSL (Domestic Substances List)	
Pitch (61789-60-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Sulfur (7704-34-9)	
Listed on the Canadian DSL (Domestic Substances List)	
EU-Regulations	
No additional information available	
National regulations	
Carbon Black (1333-86-4)	
Listed on IARC (International Agency for Research on Cancer)	

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Titanium dioxide (13463-67-7)	
Listed on IARC (International Agency for Research on Cancer)	
Crystalline silica (14808-60-7)	
Listed on IARC (International Agency for Research on Cancer)	
Silicon carbide (409-21-2)	
Listed on IARC (International Agency for Research on Cancer)	
E 2 LIC State regulations	

15.3. US State regulations

Carbon Black (1333-86-4)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

Component	State or local regulations
Zirconium oxide(1314-23-4)	U.S Massachusetts - Right To Know List
Carbon Black(1333-86-4)	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
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
Crystalline silica(14808-60-7)	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
Silicon carbide(409-21-2)	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
Sulfur(7704-34-9)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

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Full text of H-phrases:

H312	Harmful in contact with skin	
H315	Causes skin irritation	
H332	Harmful if inhaled	
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.