

SAFETY DATA SHEET**1. Product and Company Identification**

Material name	S-210
Version #	01
Issue date	11-15-2012
Revision date	11-15-2012
Supersedes date	11-22-2011
Chemical name	Phenolic Resin
Chemical description	Fibrous Resin Mixture
CAS #	Mixture
Product code	900-0025
Product use	Industrial Leak Sealant
Manufacturer information	
Manufacturer/Supplier	Team Industrial Services, Inc. 200 Hermann Drive, Alvin, Texas 77511
Emergency Contact	CHEMTREC - 24 HOURS USA: CHEMTREC: 800-424-9300 International: 703-527-3887 (Collect)

2. Hazards Identification

Physical state	Liquid.
Appearance	Black pliable semi-solid with phenolic odor.
Emergency overview	DANGER May cause eye, skin and digestive tract burns. May cause severe respiratory tract irritation. Harmful if inhaled, absorbed through skin, or swallowed. Contains material which may cause lung, liver, kidney, heart, blood and central nervous system damage.
OSHA regulatory status	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects	
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Eyes	May cause eye burns. May cause permanent eye injury.
Skin	May cause skin burns. Harmful if absorbed through skin. Components of the product may be absorbed into the body through the skin. The product contains organic solvents which may be absorbed into the body by skin contact and cause permanent damage to the nervous system, including the brain.
Inhalation	May cause severe respiratory tract irritation. May cause burns in mucous membranes, throat, esophagus and stomach. Harmful if inhaled. When cured: Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the respiratory tract. Inhalation of high concentrations of quartz dust can lead to the lung disease known as silicosis, with cough and shortness of breath. Prolonged breathing of high levels of crystalline silica can cause silicosis. Also, airborne crystalline silica is possibly carcinogenic to humans.
Ingestion	May cause digestive tract burns. Harmful if swallowed. Components of the product may be absorbed into the body by ingestion.
Target organs	Blood. Central nervous system. Digestive tract.. Eyes. Kidneys. Liver. Lungs. Mucous membranes. Respiratory system. Skin.
Chronic effects	May cause kidney, liver, lung and central nervous system damage. Danger of serious damage to health by prolonged exposure. Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Phenolic resin releases formaldehyde and formaldehyde has carcinogenic potential and is a known skin and respiratory sensitizer.
Signs and symptoms	Unconsciousness. Coughing. Shortness of breath. Discomfort in the chest. Irritation of nose and throat. Irritation of eyes and mucous membranes. Symptoms include itching, burning, redness and tearing. Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure.

Potential environmental effects The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Aluminum oxide	1344-28-1	20-40
Phenol, polymer with formaldehyde	9003-35-4	20-40
Quartz	14808-60-7	10 - 20
Water	7732-18-5	10-20
Ethanol	64-17-5	5-10
Graphite	7782-42-5	5-10
Refractories, Fibers, Aluminosilicate	142844-00-6	5-10
Vinylpolydimethylsiloxane	68083-19-2	<5
Carbon fiber	7440-44-0	<2
Phenol	108-95-2	< 2
m-Cresol	108-39-4	<2
p-Cresol	106-44-5	<1

Composition comments All concentrations are in percent by weight.
Refractories, Fibers, Aluminosilicate Note R: The classification as a carcinogen does not apply according to Directive 67/548/EEC as it can be shown that fibers have a length weighted geometric mean diameter less two standard geometric errors greater than 6 micrometers.

4. First Aid Measures

First aid procedures

Eye contact	Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
Inhalation	If breathing stops, provide artificial respiration. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water, if person is conscious. Only induce vomiting at the instruction of medical personnel. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.

Notes to physician Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure.

General advice Chemical burns must be treated by a physician.

5. Fire Fighting Measures

Flammable properties Combustible liquid. Intensive heat and fire may release toxic and corrosive gases.

Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media No restrictions known.

Protection of firefighters

Specific hazards arising from the chemical Solvent vapors may form explosive mixtures with air. By heating and fire, corrosive vapors/gases may be formed.

Protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Fire fighting equipment/instructions In the event of fire, cool tanks with water spray. Move containers from fire area if you can do it without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

Hazardous combustion products

Aluminum oxides. Carbon oxides. Silicon oxides. Formaldehyde. Unidentified organic compounds.

6. Accidental Release Measures

Personal precautions

Ventilate closed spaces before entering. Avoid inhalation of vapors and contact with skin and eyes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment

Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After removal flush contaminated area thoroughly with water. This material and its container must be disposed of as hazardous waste.

Never return spills to original containers for re-use.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Use only with adequate ventilation. Avoid inhalation of vapors and contact with skin and eyes. Wear approved safety goggles. Wear protective gloves and appropriate clothing to prevent skin contact. Observe good industrial hygiene practices. When cured: Avoid generation and spreading of dust.

Storage

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feedingstuffs.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable fraction.
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
m-Cresol (CAS 108-39-4)	TWA	20 mg/m3	Inhalable fraction and vapor.
Phenol (CAS 108-95-2)	TWA	5 ppm	
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	0.2 fibers/cm3	Fiber.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	PEL	5 mg/m3	Respirable fraction.
Carbon fiber (CAS 7440-44-0)	PEL	15 mg/m3	Total dust.
		5 mg/m3	Respirable fraction.
Ethanol (CAS 64-17-5)	PEL	15 mg/m3	Total dust.
		1900 mg/m3	
Graphite (CAS 7782-42-5)	PEL	1000 ppm	
		5 mg/m3	Respirable fraction.
m-Cresol (CAS 108-39-4)	PEL	15 mg/m3	Total dust.
		22 mg/m3	
Phenol (CAS 108-95-2)	PEL	5 ppm	
		19 mg/m3	
		5 ppm	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Carbon fiber (CAS 7440-44-0)	TWA	15 mppcf	
Graphite (CAS 7782-42-5)	TWA	15 mppcf	
Quartz (CAS 14808-60-7)	TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf	Total dust. Respirable. Respirable.

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable.
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3 1000 ppm	
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable.
m-Cresol (CAS 108-39-4)	TWA	22 mg/m3 5 ppm	
Phenol (CAS 108-95-2)	TWA	19 mg/m3 5 ppm	
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable.
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable.
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable.
m-Cresol (CAS 108-39-4)	TWA	10 mg/m3	
Phenol (CAS 108-95-2)	TWA	5 ppm	
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable fraction.
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
m-Cresol (CAS 108-39-4)	TWA	5 ppm	
Phenol (CAS 108-95-2)	TWA	5 ppm	
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	0.2 fibers/ml	Fiber.

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m3	Total dust.
Carbon fiber (CAS 7440-44-0)	TWA	2 mg/m3	Respirable dust.
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3 1000 ppm	
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable dust.

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
m-Cresol (CAS 108-39-4)	TWA	22 mg/m3 5 ppm	
Phenol (CAS 108-95-2)	TWA	19 mg/m3 5 ppm	
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.

Mexico. Occupational Exposure Limit Values

Components	Type	Value
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m3
Carbon fiber (CAS 7440-44-0)	TWA	10 mg/m3
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3 1000 ppm
Graphite (CAS 7782-42-5)	TWA	10 mg/m3
m-Cresol (CAS 108-39-4)	TWA	22 mg/m3 5 ppm
Phenol (CAS 108-95-2)	STEL	38 mg/m3 10 ppm
	TWA	19 mg/m3 5 ppm
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3

Engineering controls

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. An eye wash and safety shower must be available in the immediate work area.

Personal protective equipment**Eye / face protection**

Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Wear protective gloves. Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Wear appropriate clothing to prevent possibility of skin contact.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Black pliable semi-solid with phenolic odor.
Physical state	Liquid.
Form	Pliable semi-solid.
Color	Black.
Odor	Phenolic.
Odor threshold	0.003 - 5 ppm (m-Cresol)
pH	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not applicable.
Melting point/Freezing point	Not applicable.
Solubility (water)	Slightly.
Specific gravity	Not available.
Flash point	165 °F (73.9 °C) Tag Closed Cup
Flammability limits in air, upper, % by volume	Not available.

Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	> 1200 °F (> 648.89 °C) when cured
Partition coefficient (n-octanol/water)	Not available.
Other data	
Flammability	Combustible solid.
Flash point class	Combustible IIIA

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Flames and sparks.
Incompatible materials	Strong oxidizers, strong acids, and strong bases. Strong reducing agents.
Hazardous decomposition products	Oxides of aluminum. Carbon oxides. Silicon oxides. Formaldehyde. Unidentified organic compounds.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Carbon fiber (CAS 7440-44-0)		
Acute		
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
Ethanol (CAS 64-17-5)		
Acute		
<i>Inhalation</i>		
LC50	Rat	30000 mg/m ³
<i>Oral</i>		
LD50	Rat	11.5 g/kg
Graphite (CAS 7782-42-5)		
Acute		
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
m-Cresol (CAS 108-39-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	620 mg/kg
<i>Oral</i>		
LD50	Rat	242 mg/kg
Phenol (CAS 108-95-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	850 mg/kg
<i>Oral</i>		
LD50	Rat	530 mg/kg

Sensitization Not a skin sensitizer.

Acute effects May cause eye, skin and respiratory tract irritation. May cause severe respiratory tract irritation. Harmful if inhaled, absorbed through skin, or swallowed. May cause damage to the liver and kidneys. Contains material which may cause lung, liver, kidney, heart, blood and central nervous system damage.

Local effects	Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.
US. ACGIH Threshold Limit Values	
m-Cresol (CAS 108-39-4)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.
Chronic effects	Danger of serious damage to health by prolonged exposure. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. When cured: Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Phenolic resin releases formaldehyde and formaldehyde has carcinogenic potential and is a known skin and respiratory sensitizer.
Carcinogenicity	Risk of cancer cannot be excluded with prolonged exposure. When cured: Prolonged breathing of high levels of crystalline silica can cause silicosis. Also, airborne crystalline silica is possibly carcinogenic to humans.
ACGIH Carcinogens	
Aluminum oxide (CAS 1344-28-1)	A4 Not classifiable as a human carcinogen.
Ethanol (CAS 64-17-5)	A3 Confirmed animal carcinogen with unknown relevance to humans.
m-Cresol (CAS 108-39-4)	A4 Not classifiable as a human carcinogen.
Phenol (CAS 108-95-2)	A4 Not classifiable as a human carcinogen.
Quartz (CAS 14808-60-7)	A2 Suspected human carcinogen.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Phenol (CAS 108-95-2)	3 Not classifiable as to carcinogenicity to humans.
Quartz (CAS 14808-60-7)	1 Carcinogenic to humans.
US NTP Report on Carcinogens: Known carcinogen	
Quartz (CAS 14808-60-7)	Known To Be Human Carcinogen.
Epidemiology	None known.
Mutagenicity	Contains a substance which may have a mutagenic effect. Suspected of causing genetic defects.
Neurological effects	May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage.
Reproductive effects	Contains no ingredient listed as toxic to reproduction.
Teratogenicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Further information	Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure.

12. Ecological Information

Ecotoxicological data

Components		Species	Test Results
Ethanol (CAS 64-17-5)			
Aquatic			
Algae	EC50	Freshwater algae	275 mg/l, 72 Hours
		Marine water algae	1970 mg/l
Invertebrate	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
		Freshwater fish	11200 mg/l, 96 Hours
m-Cresol (CAS 108-39-4)	EC50	Freshwater invertebrate	5012 mg/l, 48 Hours
Aquatic		Marine water invertebrate	857 mg/l, 48 Hours
Crustacea			
Fish			
	EC50	Scud (Gammarus fasciatus)	7 mg/l, 48 hours
	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.9 mg/l, 96 hours

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability	The product contains inorganic compounds which are not biodegradable.
Bioaccumulation / Accumulation	No data available on bioaccumulation.
Partition coefficient	
Ethanol	-0.31
Phenol	1.46
m-Cresol	1.96
Mobility in environmental media	The product is slightly soluble in water. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

13. Disposal Considerations

Waste codes	D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel] When cured: Not regulated.
Disposal instructions	Dispose of this material and its container to hazardous or special waste collection point. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

m-Cresol (CAS 108-39-4)

Phenol (CAS 108-95-2)

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity

Phenol (CAS 108-95-2) 1000 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold planning quantity, lower value

Phenol (CAS 108-95-2) 500 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold planning quantity, upper value

Phenol (CAS 108-95-2) 10000 LBS

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Aluminum oxide (CAS 1344-28-1) 1.0 %

m-Cresol (CAS 108-39-4) 1.0 %

Phenol (CAS 108-95-2) 1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Aluminum oxide (CAS 1344-28-1) Listed.

m-Cresol (CAS 108-39-4) Listed.

Phenol (CAS 108-95-2) Listed.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

Phenol: 1000

m-Cresol: 100

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance (40 CFR 355, Appendix A)	No
Section 311/312 (40 CFR 370)	Yes
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)	Not controlled
Canadian regulations	This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
WHMIS status	Controlled
WHMIS classification	B3 - Combustible Liquids D1A - Immediate/Serious-VERY TOXIC D2A - Other Toxic Effects-VERY TOXIC D2B - Other Toxic Effects-TOXIC E - Corrosive

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

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

US - California Hazardous Substances (Director's): Listed substance

Aluminum oxide (CAS 1344-28-1)	Listed.
Carbon fiber (CAS 7440-44-0)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Graphite (CAS 7782-42-5)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
Phenol (CAS 108-95-2)	Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Quartz (CAS 14808-60-7)	Listed.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Quartz (CAS 14808-60-7)	Listed: October 1, 1988 Carcinogenic.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	Listed: July 1, 1990 Carcinogenic.

US - New Jersey RTK - Substances: Listed substance

Aluminum oxide (CAS 1344-28-1)	Listed.
Carbon fiber (CAS 7440-44-0)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Graphite (CAS 7782-42-5)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
Phenol (CAS 108-95-2)	Listed.
Quartz (CAS 14808-60-7)	Listed.

US. Massachusetts RTK - Substance List

Aluminum oxide (CAS 1344-28-1)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Graphite (CAS 7782-42-5)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
Phenol (CAS 108-95-2)	Listed.
Quartz (CAS 14808-60-7)	Listed.

US. New Jersey Worker and Community Right-to-Know Act

Aluminum oxide (CAS 1344-28-1)	500 LBS
m-Cresol (CAS 108-39-4)	500 LBS
Phenol (CAS 108-95-2)	500 LBS

US. Pennsylvania RTK - Hazardous Substances

Aluminum oxide (CAS 1344-28-1)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Graphite (CAS 7782-42-5)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
Phenol (CAS 108-95-2)	Listed.
Quartz (CAS 14808-60-7)	Listed.

16. Other Information**Further information**

HMIS® is a registered trade and service mark of the NPCA.
I - Safety Glasses, Gloves, Dust, Vapor Respirator

HMIS® ratings

Health: 3*
Flammability: 1
Physical hazard: 0
Personal protection: I

NFPA ratings

Health: 3
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.