



Material Safety Data Sheet

CHEMTREC
Transportation
Emergency Phone: 800-424-9300

Pittsburgh Poison Control Center
Health Emergency No.: 412-681-6669

•NOTE: The CHEMTREC Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

Section 1 - Chemical Product / Company Information

Product Name: PYROCRETE 241
Revision Date: 07/20/2011

Identification Number: PLMSDS 0148S7NL
Supercedes : 07/02/2009

Product Use/Class: Cementitious Inorganic Fireproofing - FOR INDUSTRIAL USE ONLY
Preparer: Regulatory, Department

Manufacturer: Carboline Company
2150 Schuetz Road
St. Louis, MO 63146
(800) 848-4645

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA-CEIL
PORTLAND CEMENT	65997-15-1	40.0	10 MG/M3	N/E	5 MG/M3	N/E
MICA	12001-26-2	25.0	3 MGM3	N/E	3 MGM3	NE
LIMESTONE	1317-65-3	5.0	N/E	N/E	5 MGM3	N/E
GYPSUM / CALCIUM SULFATE DIHYDRATE	7778-18-9	5.0	N/E	N/E	N/E	N/E
MAGNESIUM OXIDE	1309-48-4	5.0	N/E	N/E	N/E	N/E
FIBERGLASS	65997-17-3	0.9	1 FIBERS/CM3	N/E	NE	NE
MICROCRYSTALLINE SILICA	14808-60-7	0.3	0.025 MG/M3 (respirable)	N/E	0.1 MG/M3 (respirable)	N/E

Section 3 - Hazards Identification

Emergency Overview: Contains SILICA which can cause cancer. Risk of Cancer depends on duration and level of exposure. Floors in spray area may be slippery when wet. Post "Slippery When Wet" signs where appropriate. Direct contact with spray can damage eyes. May cause irritation to the respiratory tract.

Effects Of Overexposure - Eye Contact: May cause eye irritation.

Effects Of Overexposure - Skin Contact: May cause skin irritation.

Effects Of Overexposure - Inhalation: Overexposure will be irritating to mucous membranes.

Effects Of Overexposure - Ingestion: May be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Crystalline silica is known to cause silicosis. Crystalline silica (Quartz) is classified as a known human carcinogen (Group 1) by IARC. Exposure is by route of inhalation. If material is in a liquid matrix it is unlikely to be inhaled. However, when sanding or grinding the finished product, there may be potential for crystalline silica to become airborne.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: May aggravate dermatitis and asthma.

Section 4 - First Aid Measures

First Aid - Eye Contact: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

First Aid - Skin Contact: Wash skin thoroughly with soap and water.

First Aid - Inhalation: Move person to fresh air. Seek medical attention if irritation persists.

First Aid - Ingestion: If swallowed do not induce vomiting. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point, F: None
(N/A)

Lower Explosive Limit, %: N/A
Upper Explosive Limit, %: N/A

Extinguishing Media:

Unusual Fire And Explosion Hazards: None known.

Special Firefighting Procedures: None. Product will not burn.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Sweep up material and place in appropriate disposal container. Use sweeping compound or other cleaning aids to pick up residues. Wash down area thoroughly with water. Dispose of material in accordance with all federal, state, and local regulations. Use personal protective equipment as necessary.

Section 7 - Handling And Storage

Handling: Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing vapors or spray mist.

Storage: Keep Dry. Keep containers closed when not in use. Store in a cool, dry place with adequate ventilation.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use appropriate equipment to keep nuisance dust cloud levels low.

Respiratory Protection: A properly fitted NIOSH/MSHA approved disposable dust respirator should be used when : high dust levels are encountered; the level of fibers in the air exceeds the OSHA permissible limits; or if irritation occurs.

Skin Protection: Sensitive individuals should wear gloves to prevent repeated contact.

Eye Protection: Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

Other protective equipment: Eye wash and safety showers should be readily available.

Hygienic Practices: Handle in accordance with good industrial hygiene and safety practices. These practices include: avoiding unnecessary exposures to dusts and fibers by using good local exhaust ventilation; removal of the material from the skin and eyes after exposure; removal of material from clothing (Use vacuum equipment to remove fibers and dusts from clothing. Compressed air should never be used. Always wash contaminated work clothes separately from other laundry and wipe out washer / sink to prevent loose fibers from getting on other articles); keep the work area clean of dusts and fibers generated during fabrication (Use vacuum equipment to clean up dusts and fibers. Avoid sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air.) and; have access to safety showers and eye wash stations.

Section 9 - Physical And Chemical Properties

Boiling Range:	N/A - N/A	Vapor Density:	N/A
Odor:	Dusty	Odor Threshold:	N/D
Appearance:	Grey, Speckled Powder	Evaporation Rate:	N/A
Solubility in H2O:	N/D	Specific Gravity:	.12
Freeze Point:	N/D	PH:	N/D
Vapor Pressure:	N/A		
Physical State:	Solid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Keep Dry. Material becomes hard and unusable when exposed to water.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: None are known.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: N/D

Product LC50: N/D

Chemical Name	CAS Number	LD50	LC50
PORTLAND CEMENT	65997-15-1	NOT AVAILABLE	NOT AVAILABLE
MICA	12001-26-2	NOT AVAILABLE	NOT AVAILABLE
LIMESTONE	1317-65-3	NOT AVAILABLE	NOT AVAILABLE
GYPSUM / CALCIUM SULFATE DIHYDRATE	7778-18-9	NOT AVAILABLE	NOT AVAILABLE
MAGNESIUM OXIDE	1309-48-4	NOT AVAILABLE	NOT AVAILABLE

FIBERGLASS	65997-17-3	NOT AVAILABLE	NOT AVAILABLE
MICROCRYSTALLINE SILICA	14808-60-7	NOT AVAILABLE	NOT AVAILABLE

Section 12 - Ecological Information

Ecological Information: No data

Section 13 - Disposal Information

Disposal Information: RCRA HAZARDS CLASS: Non Hazardous Material. Take up material and seal tightly for proper disposal.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Not Regulated	Packing Group:	N/A
DOT Technical Name:	N/A	Hazard Subclass:	N/A
DOT Hazard Class:	None	Resp. Guide Page:	N/A
DOT UN/NA Number:	None		

Additional Notes: None.

Section 15 - Regulatory Information

CERCLA - SARA HAZARD CATEGORY

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Section 313 Substances exist in this product

TOXIC SUBSTANCES CONTROL ACT

All components of this product are listed on the TSCA inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(B) Substances exist in this product

U.S. STATE REGULATIONS AS FOLLOWS:

NEW JERSEY RIGHT-TO-KNOW

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
ALUMINUM HYDROXIDE	21645-51-2
VERMICULITE	1318-00-9
PERLITE	130885-09-5

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS Number</u>
ALUMINUM HYDROXIDE	21645-51-2
VERMICULITE	1318-00-9
PERLITE	130885-09-5

CALIFORNIA PROPOSITION 65

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS Number</u>
FIBERGLASS	65997-17-3
MICROCRYSTALLINE SILICA	14808-60-7

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

No California Proposition 65 Reproductive Toxins exist

INTERNATIONAL REGULATIONS AS FOLLOWS:

CANADIAN WHMIS

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2B

Section 16 - Other Information

HMIS Ratings

Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): 0

REASON FOR REVISION: Changes made in Section(s) 2, 11, and 15.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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