

MATERIAL SAFETY DATA SHEET

PRODUCT: CPD STOVE AND FURNACE REFRACTORY CEMENT



SECTION 01: PRODUCT INFORMATION

Manufacturer: CPD Construction Products
219 Connie Crescent # 13
Concord, Ontario L4K 1L4

Product Identifier: CPD Stove & Furnace Refractory Cement.

Application and Use: For bonding fire brick and lining interiors of stoves, fireplaces and high temperature furnaces and ovens. Can be applied by dipping, brush or trowel.

Product Description: Silica filled sodium silicate based cement.

Regulatory Classification:
WHMIS - Class D Division 2 Subdivision A (Quartz).

Transportation of Dangerous Goods Information: Not regulated.

Special Note: This product is sold at the retail level as well as at the commercial wholesale level. The particular product packaging that is sold at the RETAIL level (2.2 Kg. and 8.5 Kg. containers) is not regulated under WHMIS legislation. This type of packaging is regulated under the Consumers Products Act. The larger packaging that is sold at the COMMERCIAL level (22.7 Kg. and 25 Kg. containers) is regulated under WHMIS legislation.

EMERGENCY TELEPHONE NUMBERS:
CANUTEC: (613) 996-6666

SECTION 02: HAZARDOUS INGREDIENTS

The following component data is defined in accordance with sub-paragraph 13(a) (i) to (iv) or paragraph 14(a) of the Hazardous Products Act.

NAME	(pbw)%	CAS	LD50-	LC50-
**Silica Sand (Quartz)	87-89	14808-60-7	Not available	Not available

** The Silica sand used in this product contains crystalline silica quartz. The quartz that exists as dust particles with an aerodynamic diameter less than 5 microns is hazardous. Although the possibility of inhalation of silica in this product is extremely low and approved dust mask (for crystalline silica) should be worn by workers when handling this product.

SECTION 03: PHYSICAL DATA

Physical State: Liquid (Thixotropic Paste)	Viscosity: Not applicable
Specific Gravity: 2.90 (Approx.)	Vapour Density (AIR=1): >1.0
Vapour Pressure: Not applicable	Evaporation Rate (n-Butylacetate-1): Not applicable
Solubility in Water: < 12.0%	% Volatile: < 8%
Boiling Point: > 100°C	PH: 11.0 @ 20°C
Freezing Point: < 0°C	Odour: None
	Appearance: Off-White Paste.



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SECTION 04: TOXICOLOGICAL PROPERTIES

NATURE OF HAZARD

INHALATION: This product as supplied represents very little hazard through inhalation because it is an aqueous paste. However, when dry it may generate crystalline silica dust. Excessive inhalation of crystalline silica may cause the irreversible lung disease "SILICOSIS."

EYE CONTACT: May irritate eyes. No permanent damage.

SKIN CONTACT: Frequent or prolonged contact may irritate the skin. May cause defatting dermatitis with excessive exposure.

INGESTION: Will irritate throat and cause stomach pain.

CHRONIC: Excessive exposure through inhalation could lead to development of the irreversible lung disease "SILICOSIS". Crystalline silica is classified by IARC as "2A-Probably Carcinogenic to humans".

OCCUPATIONAL EXPOSURE LIMIT: Maximum TWA of silica is 0.2 mg/M³ of air. For further information on the designated substance "SILICA" contact the Ministry of Labour (Occupational Health and Safety Division) in your region.

SECTION 05: FIRST AID MEASURES

INHALATION: Remove to fresh air.

EYE CONTACT: Flush eyes with water for at least 15 minutes holding eyelids open. If irritation persists see physician.

SKIN CONTACT: Flush with water. Use soap if available. If irritation persists see physician.

INGESTION: DO NOT INDUCE VOMITING! Seek immediate medical attention.

SECTION 06: PREVENTIVE MEASURES

PERSONAL PROTECTION: Where prolonged and/or repeated skin and eye contact is likely to occur wear safety glasses with side shields. PVC or neoprene full length gloves and full work coveralls as the minimum protection. If dusting of the dry product is encountered an approved dust mask for crystalline silica dust must be worn by workmen. Good hygiene habits should be exercised by workers to minimize accidental ingestion of silica.

ENGINEERING CONTROLS: None required. No volatile harmful raw materials are in this product.

HANDLING, STORAGE AND SHIPPING: Keep containers closed when not being used. Product will dry out rapidly when exposed to air. Store under normal warehouse conditions. DO NOT ALLOW PRODUCT TO FREEZE.

SPILL CONTROL AND DISPOSAL: If spilled product will remain in a mass and will not flow due to it's highly thixotropic consistency. Recover product for reuse. Flush remaining product with water to disperse.



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SECTION 07: FIRE AND EXPLOSION DATA

Flashpoint and Method: Not applicable
Autoignition Temperature: Not applicable
Flammability Limits: None.

GENERAL HAZARDS: Non-combustible material. Will not burn.

FIRE FIGHTING: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: None.

SECTION 08: REACTIVITY DATA

GENERAL: This product is stable and hazardous polymerization will not occur under any circumstances.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: None.

HAZARDOUS DECOMPOSITION: None

SECTION 09: PREPARATION

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