

**MATERIAL SAFETY DATA SHEET**

**PRODUCT: CPD HARDCURE**



**SECTION 01: PRODUCT INFORMATION**

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

**Product Identifier:** CPD HARDCURE

**Application and Use:** Concrete floor hardener. Product is also used to dust proof concrete floors.

**Product Description:** Solution of sodium silicate in water

**Regulatory Classification:**  
WHMIS - Controlled product under WHMIS (D2B)

**Transportation of Dangerous Goods :** Not regulated

**EMERGENCY TELEPHONE NUMBERS**

CANUTEC: (613) 996-6666

**SECTION 02: HAZARDOUS INGREDIENTS**

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

Chemical	C.A.S. Number	%(by wt.)	AGGIH-TLV
Silicic Acid, Sodium Salt: Sodium Silicate	1344-09-8	10-30%	Not Established

**SECTION 03: PHYSICAL DATA**

Physical State: Liquid	Vapour Density (AIR=1): Not applicable
Specific Gravity: 1.11 @ 20°C	Evaporation Rate (n-BuAc=1): Not applicable
Vapour Pressure: Not available	% Volatile: 83-85%
Solubility in Water: Infinite	PH:10.0 @ 21°C
Boiling Point: >100°C	Odour: None
Freezing Point: <0°C	Appearance: Viscous Colourless to Hazy Liquid
Viscosity: Not available	Clear colourless to slightly hazy low viscosity liquid



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**SECTION 04: TOXICOLOGICAL PROPERTIES**

**NATURE OF HAZARD**

**INHALATION:** No hazard except if product is spray applied and mist is inhaled. Mildly irritating to nose and throat.

**EYE CONTACT:** May be irritating to the eyes. No permanent damage will result from exposure.

**SKIN CONTACT:** Causes moderate irritation to the skin.

**INGESTION:** Will be irritating to throat and stomach. Effects of ingestion are unknown.

**CHRONIC:** No known chronic hazard. Not listed by NTP, IARC or OSHA as a carcinogen.

**OCCUPATIONAL EXPOSURE LIMIT:** Not Applicable  
ACGIH Recommends: TLV - TWA (88-89)

**SECTION 05: FIRST AID MEASURES**

**INHALATION:** Remove victim to fresh air. If irritation persists see physician. If breathing is difficult, give oxygen.

**EYE CONTACT:** Flush with large amounts of water for at least 15 minutes. Seek medical attention if irritation persists. Hold eyes open when flushing.

**SKIN CONTACT:** Flush with water for 15 minutes. Use mild soap if available. If irritation persists see physician. Remove contaminated clothing and shoes.

**INGESTION:** DO NOT INDUCE VOMITING ! Give victim some water or milk if fully conscious. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**SECTION 06: PREVENTIVE MEASURES**

**PERSONAL PROTECTION:** Where skin and/or eye contact is likely to occur workmen should wear safety glasses with side shield, PVC or neoprene full length gloves and full work coveralls as the minimum protection. A portable eyewash station should be made available to workmen. If mist is generated during application an appropriate full face respiratory should be worn.

**ENGINEERING CONTROLS:** None required unless extremely poor ventilation is experienced in the work area and mist is generated during application. In the above instance power ventilation should be used.

**HANDLING, STORAGE AND SHIPPING:** Keep containers closed when not in use. Handle and open containers with care. DO NOT ALLOW PRODUCT TO FREEZE. Do not store in metal containers. Flammable hydrogen gas may be produced on contact with aluminium, tin, lead and zinc.

**SPILL CONTROL AND DISPOSAL:** For small spills mop up neutralize liquid and recover. Flush remaining material with large quantities of water before it dries and hardens. Do not flush large quantities of material into watercourses or sewers.

**ENVIRONMENTAL:** This product is slightly alkaline and is a hazard to aquatic life. Thoroughly dilute with water before flushing into sewer. Large spills may require neutralization with acid before flushing.



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**SECTION 07: FIRE AND EXPLOSION DATA**

**Flashpoint and Method:** None

**Auto ignition Temperature:** Not combustible.

**Flammability Limits:** Not applicable.

**GENERAL HAZARDS:** Not hazardous, however if product is stored in an aluminium, tin, lead, or zinc containers flammable hydrogen's may be generated.

**FIRE FIGHTING:** Not applicable.

**HAZARDOUS COMBUSTION PRODUCTS:** None. Water based product.

**SECTION 08: REACTIVITY DATA**

**GENERAL HAZARDS:** This product is stable and hazardous polymerization will not occur under normal conditions.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:** Avoid contamination with all acids. Do Not Store In Metal Containers (See Section 7). Product gels and generates heat when mixed with acids. May react with ammonium salts resulting in evolution of ammonia gas.

**HAZARDOUS DECOMPOSITION:** None.

**SECTION 09: PREPARATION**

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