

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: CIPADECK® L

MANUFACTURER/SUPPLIER: CPD Construction Products
 219 Connie Crescent, Unit #13
 Concord, Ontario Canada L4K 1L4

24 HOUR EMERGENCY NUMBER: CANUTEC: (613) 996-6666

APPLICATION AND USE: Concrete floor hardener. Product is also used to dust proof concrete floors.

PRODUCT DESCRIPTION: Solution of lithium silicate in water.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Eye irritation -Category 2



SIGNAL WORD **WARNING**

HAZARD STATEMENTS H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS
 PREVENTION P102 Keep out of reach of children.
 P262 Do not get in eyes, on skin or on clothing.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P264 Wash hands thoroughly after handling.

RESPONSE P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P337+P313 If eye irritation persists: Get medical advice/ attention.

OTHER HAZARDS Spilled material may be slippery. Dries to form a glass film which may cut skin.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
Silicic Acid, Lithium Salt: Lithium Silicate	10-30	12627-14-4	Not Established	Not Established

SECTION 4 : FIRST-AID MEASURES

FIRST-AID MEASURES

EYE CONTACT Flush eyes promptly with plenty of running water, continuing at least 15 minutes with eyelids held open. Get medical attention if eye irritation occurs.

SKIN CONTACT Remove contaminated clothing. Wash with plenty of running water.

INHALATION Avoid breathing mist. May cause respiratory irritation. If irritation occurs, move to a fresh air environment. Seek medical attention if irritation continues.

INGESTION Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

MOST IMPORTANT SYMPTOMS/ EFFECTS

ACUTE OR DELAYED Alkaline solution. Causes serious eye irritation.

IMMEDIATE MEDICAL ATTENTION OR
 SPECIAL TREATMENT NEEDED Obtain immediate medical attention.

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SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	This material is compatible with all extinguishing media.
UNSUITABLE EXTINGUISHING MEDIA	No information available.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE/ MIXTURE	Product is non-flammable and non-combustible. Under normal conditions of use, this product will not cause or support fire.
HAZARDOUS COMBUSTION PRODUCTS	None known.
FIRE-FIGHTERS PROTECTIVE EQUIPMENT ...	In a fire wear full protective gear including a self-contained breathing apparatus.
SPECIAL FIRE-FIGHTING PROCEDURES	None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable goggles and protective clothing Avoid contact with skin and eyes. Danger of slipping on spilled product.
ENVIRONMENTAL PRECAUTIONS	Prevent entry into sewers or streams, dike if needed. Consult local authorities.
CLEAN-UP METHODS	Remove with liquid-absorbing material, for example sand. Remove last traces by diluting with plenty of (warm) water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Avoid contact with eyes, skin and clothing. Wear protective equipment, refer to Section 8. Eye wash facilities should be readily available. Wash hands thoroughly after handling.
CONDITIONS FOR SAFE STORAGE	Keep packaging/ storage vessel closed when not in use. Do not store in metal containers Use alkaline resistant plastics cans. Store below 50°C. Protect from freezing. Keep away from acids and incompatible materials, such as: Zinc, Tin, Aluminum, Copper and their alloys.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS	None of the components have assigned exposure limits.
ENGINEERING CONTROLS: OTHER/TYPE	Portable eyewash fountain and a safety shower should be available to the work area vicinity.
PROTECTIVE EQUIPMENT: EYE / TYPE	Wear chemical splash goggles when handling this product.
RESPIRATORY PROTECTION.....	Use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe OSHA regulations for respirator use (29 C.F.R. §1910.134).
GLOVES/TYPE	Wear suitable gloves, e.g., PVC or nitrile rubber.
CLOTHING/TYPE	Use a lab coat or apron as necessary to minimize skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE.....	Clear colourless to slightly hazy low viscosity liquid
ODOUR	None
pH LEVEL	10.0 @ 21°C (69.8°F)
FREEZING POINT	< 0°C (32°F)
BOILING POINT	> 100°C (>212°F)
AUTOIGNITION TEMPERATURE	Not applicable
FLASH POINT	Not applicable
VAPOUR PRESSURE (mmHg @ 20°C (68°F) ..	Not available
VAPOUR DENSITY (AIR=1).....	Not applicable
SPECIFIC GRAVITY @ 20°C (68°F)	1.12
SOLUBILITY IN WATER	Complete
EVAPORATION RATE (N-BuAc=1)	Not applicable
V.O.C. CONTENT	0 gms/ L

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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Non-reactive under normal conditions.
CHEMICAL STABILITY	The product is chemically stable.
POSSIBLE HAZARDOUS REACTIONS	Hazardous polymerization will not occur.
CONDITIONS TO AVOID	Avoid contamination with acids, will generate exothermic reactions.
INCOMPATIBLE MATERIALS	Avoid contact with Zinc, Tin, Aluminum, Copper and their alloys. Aqueous lithium solutions will react with these evolving hydrogen gas, which can form an explosive mixture with air.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hydrogen gas.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY (LD50)	Refer to Section 3.
CARCINOGENICITY OF MATERIAL	This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.
TERATOGENICITY	Not available.
MUTAGENICITY	Not available.
REPRODUCTIVE EFFECTS	Not available.
ROUTES OF EXPOSURE:	SYMPTOMS AND EFFECTS:
EYE CONTACT	Causes serious eye irritation.
SKIN CONTACT	Frequent or prolonged contact may irritate the skin, low toxicity.
INHALLATION	Nose and throat mucosal irritation.
INGESTION	Lithium compounds are able to cause damage to the central nervous system. A large dose is able to induce the following symptoms: headache, absent-mindedness, dizziness, vomit, kidney-injury.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	No data available for lithium silicate compounds. However, the pH of most undiluted silicate solutions is above acceptable limits for direct discharge into waterbodies.
PERSISTENCE AND DEGRADABILITY	No data available.
BIOACCUMULATIVE POTENTIAL	Inorganic. The substance has no potential for bioaccumulation.
MOBILITY IN THE SOIL	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL	Spilled material and water rinses waste must be disposed of in accordance with current, local, provincial and federal regulations. Thoroughly dilute with water before flushing into sewer.
WASTE DISPOSAL	Empty containers of this product can be disposed of as normal garbage.

SECTION 14: TRANSPORTATION INFORMATION

TDG CLASSIFICATION	Not regulated.
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SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION	D2B
CPR (CANADA) COMPLIANCE	Meets all requirements.

SECTION 16: OTHER INFORMATION

ACGIH	American Confederation of Governmental Industrial Hygienists
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
STEL	Short Term Exposure Limit
PEL	Permissible Exposure Limit
TLV-TWA	Threshold Limit Value - Time-Weighted Average
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health



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CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CPR	Controlled Products Regulations
CAS	Chemical Abstracts Service
PPE	Personal Protection Equipment
N/Av	Not available

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PREPARATION DATE: October 8th, 2017

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