

SDS-506
Revised July 8th, 2026

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION

PRODUCT NAME: CIPADECK® LP

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: Spray / roller applied liquid penetrating concrete hardener.

PRODUCT DESCRIPTION: Aqueous solution of Potassium Lithium Silicate.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Eye irritation -Category 1



SIGNAL WORD **WARNING**

HAZARD STATEMENTS H302 Harmful if swallowed.
H315 Causes skin irritation.
H320 Causes 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, Potassium Salt; Potassium Silicate	5 - 10	1312-76-1	Not Established	Not Established
Silicic acid, Lithium Salt; Lithium Silicate	1 - 3	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. Can cause eye irritation.

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

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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	This product will not cause or support fire under normal conditions of use.
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. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills. CAUTION: Can etch glass if not promptly removed.
CONDITIONS FOR SAFE STORAGE	Keep packaging/ storage vessel closed when not in use. Store the product in plastic containers. Do not store in aluminum, steel, fiberglass, copper, brass, zinc or galvanized containers. Store below 50°C. Protect from freezing.

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
COLOUR.....	Clear
ODOUR	None
ODOUR TRESHOLD	Not available.
pH LEVEL	10.0 -12.0 @ 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
RELATIVE VAPOUR DENSITY (AIR=1)	Not applicable
SPECIFIC GRAVITY @ 20°C (68°F)	1.06
VISCOSITY	5-10 cPs
KINEMATIC VISCOSITY	No data available
SOLUBILITY IN WATER	Complete
EVAPORATION RATE (N-BuAc=1)	Not applicable
V.O.C. CONTENT	0 gms/ L
PARTICLE CHARACTERISTICS	No data available

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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. Separate from acids, reactive metals, and ammonium salts.	
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 eye irritation.	
SKIN CONTACT	Frequent or prolonged contact may irritate the skin, low toxicity.	
INHALLATION	Nose and throat mucosal irritation.	
INGESTION	Repeated ingestion or ingestion of large doses of soluble lithium compounds during pregnancy is reported to cause fetus abnormalities. Frequent ingestion over extended periods of time of gram quantities of silicates is associated with the formation kidney stones and other siliceous urinary calculi in humans.	
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.	
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

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PREPARATION DATE:	July 8 th , 2026

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