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Revised October 8th, 2017

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION

PRODUCT NAME: CPD EPOXCRETE LV

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: Epoxy injection resin. Cartridge Kit Format.

PRODUCT DESCRIPTION: Two Component, Low Viscosity, 100% Solids Thermosetting Epoxy (Low Temperature Cure).

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Part "A" Skin irritation- Category 2; Serious eye irritation- Category 2A; Skin sensitization- Category 1

Part "B" Skin corrosion/ irritation- Category 3; Serious eye damage/ irritation- Category 3; Skin sensitization- Category 1A; Specific target organ toxicity, single exposure- Category 3 (Respiratory irritation)



SIGNAL WORD:
HAZARD STATEMENTS:

DANGER

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H320 Causes eye irritation.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged and repeated exposure.

PRECAUTIONARY STATEMENTS:

PREVENTION P201 Obtain special instruction before use.
P202 Do not handle until all safety precautions have been read and understood.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breath fumes, vapours or mist.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash thoroughly after handling.

RESPONSE

P280 Wear protective gloves/ clothing and eye/face protection.
P308+P313+P311 If exposed or concerned: Get medical attention/ advice. Call a POISON CENTER or doctor/ physician.
P303+P361+P352+P363 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of water/ soap. Wash contaminated clothing before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALLED: Remove person to fresh air and keep comfortable for breathing.
P301+ P330+P331+315 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Get immediate medical advice/ attention.

OTHER HAZARDS:

Ingestion can cause gastrointestinal irritation or ulceration. Prolonged or repeated exposure may cause skin absorption of harmful amounts of material, leading to skin sensitization.

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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
4,4-Isopropylidenediphenol	60-100	25068-38-6	11400 mg/ Kg (Oral-Rat)	Not Available
2-Methyl Phenyl Glycidyl Ether	10-30	2210-79-9	4000 mg/ Kg (Rat-Oral) >2000 mg/ Kg (Dermal-Rabbit)	1220ppm (Rat -Inhalation)
D-Limonene	0.1-1.0	5989-27-5	4400 mg/ Kg (Oral-Rat) >5000 mg/ Kg (Dermal-Rabbit)	Not Available
2,2' Diaminodiethylamine	10-30	111-40-0	819 mg/ Kg(Oral-Rat) 672 mg/ Kg (Dermal-Rabbit)	Not Available
Bisphenol A	1-10	80-05-7	3300 mg/ Kg (Oral-Rat) 3600 mg/ Kg (Dermal- Rabbit)	> 0.255 mg/L (dust), Inh., Rat
4-Nonylphenol (Branched)	10-30	84852-15-3	1620 mg/ Kg (Oral-Rat) 2140 mg/ Kg (Dermal-Rabbit)	Not Available

SECTION 4 : FIRST-AID MEASURES

FIRST AID MEASURES

EYE CONTACT	Flush with water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get medical attention.
SKIN CONTACT	Wash with soap and water. Launder contaminated clothing before reuse. Contact a physician if irritation develops.
INHALATION	If inhaled, remove victim to fresh air. If breathing is difficult administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.
INGESTION	Get medical attention immediately. Do not induce vomiting. Remove stomach contents by gastric suction only as directed by medical personnel. Never give anything by mouth to an unconscious person.
SYMPTOMS AND EFFECTS, ACUTE OR DELAYED	
EYE CONTACT	Contact of undiluted product with the eyes quickly causes irritation and pain; may cause burns, necrosis and permanent injury. Burns of the eye may cause blindness. Product vapors in low concentration can cause lacrimation, conjunctivitis and corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema may give rise to a perception of "Blue Haze" or "Fog" around lights. The effect is transient and has no known residual effect.
SKIN CONTACT	Contact of undiluted product with skin quickly causes irritation and pain and may cause burns, necrosis and permanent injury.
INHALATION	Irritation to respiratory tract. Coughing and chest pain may result. Inhalation of aerosol, mist or fog may cause harm.
INGESTION	May cause bleeding of the gastrointestinal tract and vomiting of blood.
IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Carbon dioxide (CO ₂), dry chemical or alcohol foam.
UNSUITABLE EXTINGUISHING MEDIA	Do not use a solid water stream as it may scatter and spread fire.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.
FLAMMABILITY CLASSIFICATION	Not flammable, according to OSHA 29 CFR 1910.106.
HAZARDOUS COMBUSTION PRODUCTS	Carbon oxides. Nitrogen oxides.
FIRE-FIGHTERS PROTECTIVE EQUIPMENT ...	Fire-fighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and for enclosed spaces, they should wear an approved full face, self-contained breathing apparatus (SCBA).

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SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus.
ENVIRONMENTAL PRECAUTIONS	Ensure spilled product and water rinses do not enter drains, sewers, waterways or confined spaces. For large spills, dike the area to prevent spreading.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP	Ventilate the area. Remove all sources of ignition. Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid using only non-combustible, inert absorbent material (sand). Pick up and transfer to properly labelled containers. Residual material may be removed with soap and hot water. Refer to Section 13 for disposal of contaminated material.
SPECIAL SPILL RESPONSE PROCEDURES ...	If a spill/ release in excess of the EPA reportable quantity is made into the environment, immediately notify the appropriate authorities.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Persons with recurring skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted. Wear protective gloves/ clothing and eye/ face protection. Contaminated work clothing must not be allowed out of the workplace. Do not breath dust or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Wash thoroughly after handling.
CONDITIONS FOR SAFE STORAGE	Store under normal warehouse conditions. Store away from incompatibles. Inspect periodically for damage/ leaks. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking in the area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
D-LIMONENE	30 ppm (skin) (AIHA WEEL)	N/Av	N/Av	N/Av
2,2' DIAMINODIETHYLAMINE	1 ppm (4 mg/ m ³) as TLV (8-hour workday)	N/Av	N/Av	N/Av
APPROPRIATE ENGINEERING CONTROLS	Use only in well ventilated areas. Where necessary use local exhaust ventilation.			
PERSONAL PROTECTIVE EQUIPMENT				
SKIN PROTECTION	Wear suitable full-length PVC or neoprene gloves. Wear adequate protective clothes. Wear long sleeves and trousers to prevent dermal exposure. Wear safety boots as per local jobsite regulation.			
EYE/ FACE PROTECTION	Wear eye/ face protection. Wear as appropriate: Safety glasses with side shields or tightly fitting safety goggles.			
RESPIRATORY PROTECTION	If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators.			
OTHER PROTECTIVE EQUIPMENT	An eyewash station and safety shower should be made available in the working area vicinity. Other equipment may be required depending on workplace standards.			
GENERAL HYGIENE CONSIDERATIONS	Do not eat, drink, smoke or use cosmetics while working with this product. Do not breath dust or mist. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Remove and wash contaminated clothing before reuse			

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Part A, Clear light straw colored low viscosity liquid/ Part B, Amber liquid
ODOUR	Part A, mild hydrocarbon/ Part B, characteristic amine odour
ODOUR THRESHOLD	Not available
pH LEVEL	Not available
MELTING/ FREEZING POINT	Not available
FLASH POINT	Not available
BOILING POINT	Not available
EVAPORATION RATE	Not available
FLAMMABILITY	Not applicable
VAPOUR PRESSURE	Not available
VAPOUR DENSITY (Air=1) (mg/m ³)	Not available
SPECIFIC GRAVITY @ 20°C (68°F)	Part A, 1.11 / Part B, 0.98
VISCOSITY	Part A, 600 cPs / Part B, 120 cPs @ 20°C (68°F)
VOLATILES (% by WEIGHT)	Not available
VOC's (Volatile Organic Compounds)	A&B mix: 10 g/L
SOLUBILITY IN WATER (%W/W)	Insoluble

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Not normally reactive.
CHEMICAL STABILITY	Stable under the recommended storage and handling conditions prescribed.
HAZARDOUS REACTIONS	Hazardous polymerization does not occur.
CONDITIONS TO AVOID	Avoid heat and open flame. Avoid contact with incompatible materials.
INCOMPATIBLE MATERIALS	Mineral acids (such as sulphuric, phosphoric), organic acids (acetic acid, citric acid), alkalis, reducing agents, reactive metals (sodium, calcium, zinc), sodium or calcium hypochlorite, materials reactive with hydroxyl compounds amines, nitrites, nitrosating agents.
HAZARDOUS DECOMPOSITION PRODUCTS	None under normal storage temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE	Skin and eye contact, skin absorption, inhalation, ingestion.
SIGNS AND SYMPTOMS OF EXPOSURE	
SKIN CONTACT	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) and Canadian WHMIS regulations (Hazardous Products Regulations) (Hazcom 2012) (WHMIS 2015) Classification: Skin corrosion-irritation, Category 3
EYE CONTACT	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) (Hazcom2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Serious eye damage-irritation, Category 3
SENSITIZATION TO MATERIAL	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Skin sensitization-Category 1A- May cause allergic skin reaction.
SPECIFIC TARGET ORGAN EFFECTS	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Specific target organ toxicity, single exposure- Category 3 May cause respiratory irritation.
MUTAGENICITY	Not expected to be mutagenic in humans.
CARCINOGENICITY	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP
REPRODUCTIVE EFFECTS	Not available information on the product itself.
MEDICAL CONDITIONS AGGRAVATED	
BY OVEREXPOSURE	Pre-existing skin, eye disorders.
TOXICOLOGICAL DATA	There is no data available for this product.
INGREDIENTS LD50/ LC50 DATA	Refer to Section 3

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SECTION 12: ECOLOGICAL INFORMATION		
ECOTOXICITY	Toxic to aquatic life with long lasting effects. Do NOT allow product to come in contact with surface waters. Avoid release into environment.	
PERSISTANCE AND DEGRADABILITY	No data is available on the product itself.	
BIOACCUMULATION POTENTIAL	No data is available on the product itself.	
MOBILITY IN SOIL	No data is available on the product itself.	
SECTION 13: DISPOSAL CONSIDERATIONS		
HANDLING FOR DISPOSAL	Handle in accordance with good industrial hygiene and safety practice. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Refer to protective measures listed in Sections 7 and 8.	
METHODS OF DISPOSAL	Dispose in accordance with all applicable federal, state, provincial and local regulations.	
SECTION 14: TRANSPORTATION INFORMATION		
TDG CLASSIFICATION	Part A, Not Regulated Part B, Corrosive Liquid N.O.S. (Alkylpolyamine) UN 1760, Class 8, UN II	
SECTION 15: REGULATORY INFORMATION		
WHMIS CLASSIFICATION	Part A: Class D, Division 2, Subdivision B Part B: Class E, Corrosive; Class D, Division 2, Subdivision B	
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	
RCRA	Resource Conservation and Recovery Act	
CPR	Controlled Products Regulations	
CAS	Chemical Abstracts Service	
PPE	Personal Protective Equipment	
N/Av	Not available	
PREPARED BY:	Camelia Gardo	
TELEPHONE NUMBER:	(905) 669-5013	
PREPARATION DATE:	October 8 th , 2017	
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