

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: CPD EPOXFLEX LT GROUT PART "A"

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: High strength grout for patching joints etc., where either very high strengths and/or chemical resistance are required.

PRODUCT DESCRIPTION: CPD Epoxflex LT Grout is a Silica filled thermosetting three component Epoxy (Low Modulus) Low Temperature Cure Compound. This SDS is for the Resin Component only.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Skin irritation 2; Serious eye irritation 2A; Skin sensitization 1



SIGNAL WORD: **WARNING**

HAZARD STATEMENTS: H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H320 Causes eye irritation.

PRECAUTIONARY STATEMENTS

PREVENTION P280 Wear protective gloves, protective clothing and eye protection.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P264 Wash thoroughly after handling.

RESPONSE P308+P311 If exposed or concerned: Call a POISON CENTER or doctor /physician.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.
 P301+ P330+P331+315 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Get immediate medical advice/ attention.

OTHER HAZARDS: Not available.
 UNKNOWN ACUTE TOXICITY: Not available.

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)	No Data
Polypropylene glycol diepoxide resin	10-30	26142-30-3	>2000 mg/Kg (Rat-Oral)	No Data
D-Limonene	0.5-1.5	5989-27-5	4400 mg/Kg (Oral-Rat) >5000 mg/Kg (Dermal-Rabbit)	No Data

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SECTION 4 : FIRST-AID MEASURES

FIRST-AID MEASURES

EYE CONTACT	Flush eyes with lukewarm water for at least 15 minutes holding eye lids open. If irritation persists see a physician.
SKIN CONTACT.....	Wash with soap and water and remove contaminated clothing. Wash clothing separately prior to reuse. If irritation persists, get medical attention.
INHALATION	Remove victim to fresh air. Consult a physician after significant exposure.
INGESTION	If swallowed, DO NOT induce vomiting. Rinse mouth and call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. Obtain medical attention.
SYMPTOMS AND EFFECTS, ACUTE OR DELAYED	
EYE CONTACT	Mild irritation and discomfort, may cause excessive lachrymation or serious eye damage.
SKIN CONTACT.....	Irritation may occur. Prolonged or repeated contact may result in skin sensitization and dermatitis.
INHALATION	Prolonged inhalation may result in respiratory irritation, coughing.
INGESTION	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Carbon dioxide (CO ₂), dry chemical, alcohol resistant foam, water fog
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	The pressure in sealed containers can increase under the influence of heat.
FLAMMABILITY CLASSIFICATION	Not flammable.
HAZARDOUS COMBUSTION PRODUCTS	Carbon dioxide and carbon monoxide, various hydrocarbons
FIRE-FIGHTERS PROTECTIVE EQUIPMENT ...	Fire-fighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, fire-fighters should wear an approved full face, self-contained breathing apparatus (SCBA) and impervious clothing.
SPECIAL FIRE FIGHTING PROCEDURES.....	Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from the firefighting to enter drains or water courses. Dike for water control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Keep people away from and upwind of spill/ leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment. Refer to protective measures listed in Section 7 and 8.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering drains, sewers, waterways and soil.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP	Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. For spilled liquids absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Pick up and transfer to properly labelled containers. Contaminated absorbent material may pose the same hazard as the spilled product. Contact the proper local authorities. 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 national response centre in the United States (phone: 1-800-424-8802) US CERCLA Reportable quantity (RQ): None known.

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. Persons with recurrent 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
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CONDITONS FOR SAFE STORAGE sensitization should be permitted. Provide adequate ventilation. Wear suitable protective equipment during handling. Wear protective gloves/ clothing and eye/ face protection. Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers closed when not in use. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Store in cool/ well ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorised personnel. Inspect periodically for damage or leaks.

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
EXPOSURE CONTROLS:				
VENTILATION/ ENGINEERING MEASURES:	Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation, wear suitable respiratory equipment.			
RESPIRATORY PROTECTION	If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29CFR 1910.134) or CSA Z94.4-02. NIOSH approved organic vapour cartridge respirators are recommended. Advice should be sought from respiratory protection specialists.			
SKIN PROTECTION	Wear protective gloves/ clothing. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Wear resistant clothing and boots.			
EYE/ FACE PROTECTION	Wear eye/ face protection. Wear as appropriate: Safety glasses with side shields; Tightly fitting safety goggles.			
OTHER PROTECTIVE EQUIPMENT	An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.			
GENERAL HYGIENE CONSIDERATIONS	Avoid breathing fumes and vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice. Contaminated clothing must not be allowed out of the workplace.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Light Straw-Coloured Liquid
ODOUR	Mild Sweet Hydrocarbon
ODOUR THRESHOLD	Not available
pH LEVEL	Not available
MELTING/ FREEZING POINT	Not available
FLASH POINT	Not available
EVAPORATION RATE (N-BuAc=1)	Not applicable
VAPOUR PRESSURE	Not applicable
VISCOSITY	3500 cPs
VAPOUR DENSITY (AIR=1)	Not applicable
SPECIFIC GRAVITY @20°C (68°F)	1.135
BOILING POINT	Not applicable
VOLATILES (% by WEIGHT)	Not available
VOC's (Volatile Organic Compounds)	Not available
SOLUBILITY IN WATER	Insoluble.

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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Not normally reactive.
CHEMICAL STABILITY	Stable under normal conditions.
HAZARDOUS REACTIONS	Hazardous polymerization does not occur.
CONDITIONS TO AVOID	Avoid direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.
INCOMPATIBLE MATERIALS	Strong oxidizing agents; Strong acids; Strong bases.
HAZARDOUS DECOMPOSITION PRODUCTS	Refer to hazardous combustion products, Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE	Inhalation, skin and eye contact, ingestion.
SIGNS AND SYMPTOMS OF EXPOSURE	
INHALATION	Mild respiratory irritant. May cause coughing and breathing difficulties.
INGESTION	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
SKIN CONTACT	May cause mild skin irritation. Direct skin contact may cause temporary redness.
EYE CONTACT	Direct eye contact may cause slight or mild transient irritation. Exposure may cause temporary irritation, redness or discomfort.
CHRONIC HEALTH EFFECTS	None known.
MUTAGENICITY	Not expected to be mutagenic.
CARCINOGENICITY	Not classified as carcinogens by ACGIH, IARC, OSHA or NTP.
REPRODUCTIVE EFFECTS	No data available on the product itself.
SENSITIZATION TO MATERIAL	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: Skin sensitization- Category 1A- May cause allergic skin reaction. Not expected to be a respiratory sensitizer.
SPECIFIC TARGET ORGAN EFFECTS	Not classified as specific target organ toxicity-single exposure Not classified as specific target organ toxicity- repeated exposure.
MEDICAL CONDITIONS AGGRAVATED	
BY OVEREXPOSURE	Pre-existing skin, eye, and respiratory disorders.
TOXICOLOGICAL DATA	There is no data available for this product.
INGREDIENTS LD50/ LC50 DATA	Refer to Section 3.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	Toxic to aquatic life with long lasting effects. No data is available on the product itself. The product should not be allowed to enter drains or watercourses, or be deposited where it can affect ground or surface waters.
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. 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	Not regulated.
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SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION	Class D Division 2, Subdivision B
CPR (CANADA) COMPLIANCE	Meets all requirements.

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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
MSHA	Mine Safety and Health Administration
RCRA	Resource Conservation and Recovery Act
CPR	Controlled Products Regulations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CAS	Chemical Abstracts Service
PPE	Personal Protection Equipment
N/A	Not available

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