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Revised October 20th, 2017

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION

PRODUCT NAME: CIPADITE[®] E-500 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 base plates, anchor bolts, columns etc., where either very high strengths and/or chemical resistance are required.

PRODUCT DESCRIPTION: Aggregate filled thermosetting Epoxy Compound. This component is the base resin only. CIPADITE[®] E-500 Grout is a three-component product. There are 3 SDS's for this product.

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
2-Ethyl Hexyl Glycidyl Ether	7-13	2461-15-6	7800 mg/ Kg (Rat-Oral)	No Data

SECTION 4 : FIRST-AID MEASURES

FIRST-AID MEASURES

EYE CONTACT Rinse thoroughly with plenty of water, also under the eyelids. If exposed or concerned Get medical attention/ advice.

SKIN CONTACT..... IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

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INHALATION	Move to fresh air. If Breathing is difficult, give oxygen by qualified medical personnel only. If breathing stops, provide artificial respiration. If exposed or concerned: Get medical attention/ advice.
INGESTION	DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or is having convulsions. If exposed or concerned: Get medical advice/ attention.
SYMPTOMS AND EFFECTS, ACUTE OR DELAYED	May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema. May be mildly irritating to skin, eyes and respiratory system. Exposure may cause temporary irritation, redness or discomfort. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
NOTE TO THE PHYSICIAN	In the event of accidental exposure immediate medical attention is required. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Carbon dioxide (CO ₂), dry chemical or 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, according to OSHA 29 CFR 1910.106.
HAZARDOUS COMBUSTION PRODUCTS ...	Carbon oxides; Acids; Phenols; Aldehydes; other unidentified compounds.
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. Cool closed containers exposed to fire with water spray. 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, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES ...	Keep people away from and upwind of spill/ leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment. Refer to the protective measures listed in Sections 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 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 hazards 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, 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 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
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CONDITIONS FOR SAFE STORAGE	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	Contains no substances with occupational exposure limit values.	
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. Gloves impervious to the material are recommended. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.	
EYE/ FACE PROTECTION	Wear eye/ face protection. Chemical splash goggles are recommended. A full face shield may also be necessary.	
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	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. Barrier creams may help to protect the exposed areas of skin; they should however not be applied once exposure has occurred. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use. Contaminated clothing must not be allowed out of the workplace.	
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES		
APPEARANCE	Clear, slightly yellow mobile liquid	
ODOUR	Mild Hydrocarbon	
ODOUR THRESHOLD	Not available	
pH LEVEL	Not available	
MELTING/ FREEZING POINT	Not available	
BOILING POINT	Not available	
FLASH POINT (deg C), METHOD.....	>93°C (199.4°F) T.C.C.	
EVAPORATION RATE	Not available	
FLAMMABILITY	Not applicable	
VAPOUR PRESSURE	More than 4 mmHg @ 20°C (68°F)	
VAPOUR DENSITY (Air=1) (mg/m3)	Not available	
SPECIFIC GRAVITY @ 20°C (68°F)	1.13 grams/mL	
VISCOSITY	1800-2500 cps @ 20°C (68°F)	
VOLATILES (% by WEIGHT)	Not available	
VOC's (Volatile Organic Compounds)	0 grams/L	
SOLUBILITY IN WATER (%W/W)	Negligible.	

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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 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, skin absorption.	
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 and discomfort.	
CHRONIC HEALTH EFFECTS	None known.	
MUTAGENICITY	Not expected to be mutagenic.	
CARCINOGENICITY	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP	
REPRODUCTIVE EFFECTS	Not classified based on available information.	
SENSITIZATION TO MATERIAL	Skin sensitization: May cause an allergic skin reaction.	
	Respiratory sensitization: Not classified based on available information.	
SPECIFIC TARGET ORGAN EFFECTS	This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015)	
MEDICAL CONDITIONS AGGRAVATED		
BY OVEREXPOSURE	Pre-existing skin, eye, and respiratory disorders.	
SYNERGISTIC MATERIALS	None known.	
TOXICOLOGICAL DATA	There is no data available for this product.	
INGREDIENTS LD50/ LC50 DATA	Refer to Section 3	
OTHER TOXICOLOGICAL HAZARDS	None known.	
SECTION 12: ECOLOGICAL INFORMATION		
ECOTOXICITY	No data is available for the product itself. However, ingredients listed in the chemical composition are toxic to aquatic life with long lasting effects. Therefore, the product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.	
PERSISTANCE AND DEGRADABILITY	The product itself has not been tested.	
BIOACCUMULATION POTENTIAL	No data is available on the product itself.	
MOBILITY IN SOIL	No data is available on the product itself.	
OTHER ADVERSE ENVIRONMENTAL EFFECTS	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.	
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.	
RCRA	If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.	

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SECTION 14: TRANSPORTATION INFORMATION

TDG CLASSIFICATION Not regulated.

TRANSPORT IN BULK ACCORDING TO
ANNEX II OF MARPOL 73/78 AND THE
IBC CODE Not applicable.

SECTION 15: REGULATORY INFORMATION

CEPA INFORMATION All ingredients listed appear on the Domestic Substances List (DSL)
WHMIS CLASSIFICATION Class D2B Eye Irritant, Skin Sensitizer

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
CEPA	Canadian Environmental Protection Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CAS	Chemical Abstracts Service
PPE	Personal Protection Equipment
N/A	Not available

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PREPARATION DATE: October 20th, 2017

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.