

MATERIAL SAFETY DATA SHEET

PRODUCT: CIPADITE E-500 PART "B"



SECTION 01: PRODUCT INFORMATION

Manufacturer: CPD Construction Products
219 Connie Crescent # 13,
Concord, Ontario L4K 1L4

Product Identifier: CIPADITE E-500 Part "B"

Application & Use: High strength Grout for Base plates, anchor bolts, columns etc. Where either very high strengths and (or) chemical resistance are required.

Product Information: Silica filled thermosetting Epoxy Compound. This component is the catalyst only.

Regulatory Classification: WHMIS Information: Class E, Class D1B, Class D2B

Transportation of Dangerous Goods Information

Corrosive liquids, basic, organic, n.o.s.
(Triethylenetetramine, Tetraethylenepentamine)
Class 8, UN3267, P.G.II

EMERGENCY TELEPHONE NUMBERS

CANUTEC: (613) 996-6666

SECTION 02: HAZARDOUS INGREDIENTS

The following component data is defined in accordance with sub-paragraph 13(a) (i) to (iv) or paragraph 14 (a) of the Hazardous Products Act.

<u>INGREDIENTS</u>	<u>Cas#</u>	<u>%(weight)</u>		
Triethylenetetramine	112-24-3	40-70	LD50-2500mg./kg.(Oral, Rat)	LC50-No Data
Tetraethylene Pentamine	112-57-2	3-7	LD50-3990mg./kg.(Oral, Rat)	LC50- No Data
Bisphenol A	80-05-7	1-5	LD50-3250 mg./kg. Oral, Rat)	LC50-No Data
DiethyleneTriamine	111-40-0	1-5	LD50-1080 mg./kg. (Oral, Rat)	LC50-No Data

SECTION 03: PHYSICAL DATA

Boiling Point (Deg. C) : 250°C	Appearance: Amber coloured mobile liquid.
Freezing Point: N/A	Odour: Amine Odour
Vapour Pressure: Less than 1 mmHg @ 20°C	Flash Point: 118°C (PMCC)
Vapour Density: 5.04	Flammable Limits (LFL): 1.1% @ 185°C, (UFL): 6.4% @185°C
Solubility in Water: 50-60% (pbv)	Average Odour Threshold: n/a
Specific Gravity: 0.980 @ 20°C	



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SECTION 04: TOXICOLOGICAL PROPERTIES

NATURE OF HAZARD

INHALATION: May cause respiratory sensitization in susceptible individuals. Excessive exposure may cause irritation to upper respiratory tract.

EYE CONTACT: May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness.

SKIN CONTACT: Short single exposure may result in severe skin burns. Can cause an allergic skin reaction in humans. A single prolonged exposure may result in the material being absorbed in harmful amounts.

INGESTION: Single oral dose toxicity is low. The oral LD50 for rats is 4340 mg./kg. ingestion may cause Gastrointestinal Irritation or ulceration. Ingestion may cause burns of mouth and throat.

CHRONIC: Did not cause cancer in long term animal studies. In laboratory animals fed exaggerated doses, adverse fetal effects occurred that were believed to be associated with an observed copper deficiency. Results of in Vitro (test tube) Mutagenicity tests have been positive.

OCCUPATIONAL EXPOSURE LIMIT: Not available.

SECTION 05: FIRST AID MEASURES

INHALATION: Remove to fresh air if effects occur.

EYE CONTACT: Immediate and continuous irrigation with flowing water for at least 30 minutes, with eyelids held open, is imperative. Seek immediate medical attention.

SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing any clothing that is contaminated. Call a physician if irritation persists.

INGESTION: DO NOT INDUCE VOMITING !!! Give large amounts of water or milk if available and transport to medical facility immediately.

NOTE TO PHYSICIAN: May cause tissue destruction leading to stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. If burn is present, treat as thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient. Excessive exposure may aggravate preexisting asthma.

SECTION 06: PREVENTIVE MEASURES

Wear safety glasses with side shields, neoprene or PVC work gloves (full length) as the minimum safety equipment. Where large quantities of this product are being used workers should also wear a full face shield. IMPERVIOUS clothing (apron, coveralls) should also be worn in confined work spaces or where the risk of skin exposure is high. In confined areas or in areas with poor ventilation it may be necessary to wear an approved organic canister mask.



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SECTION 06: PREVENTIVE MEASURES cont'd

HANDLING, STORAGE AND SHIPPING: Product should be stored under normal warehouse conditions in original containers. Do not allow any component to be contaminated by water. Avoid areas of unusually high temperature or areas of storage that are located near ignition sources. The hardener component of this product is a regulated dangerous good under TDG legislation, handle accordingly.

SPILL CONTROL AND DISPOSAL: Absorb with sand (or some other non-combustible material). Dispose of as chemical resin waste in accordance with all provincial and federal legislation. NOTE: If the catalyst is mixed with the resin base it will proceed to polymerize and generate heat. In a large mass the heat generated could cause a fire. This factor must be considered if large spills of "MIXED" resin have to be disposed of.

SECTION 07: FIRE AND EXPLOSION DATA

None, as long as the components are not mixed and allowed to remain in a large mass. If large quantities of the catalyst are mixed with the base resin and allowed to stand the resulting exothermic polymerization could cause a fire.

SECTION 08: REACTIVITY DATA

Stable. Hazardous decomposition will not occur.

SECTION 09: PREPARATION

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