

MATERIAL SAFETY DATA SHEET

PRODUCT: CIPADITE 25 PART B



SECTION 01: PRODUCT INFORMATION

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

Product Identifier: CIPADITE 25 PART "B"

Application and Use: Epoxy Injection and anchorage resin

Product Description: Low viscosity epoxy resin adhesive

Regulatory Classification:

WHMIS Information: Class D2A, D2B / Class E

Transportation of Dangerous Goods Information:

Amines, Liquid, Corrosive N.O.S. (2,2'-iminodiethylamine) Class 8 UN2735 PGII

EMERGENCY TELEPHONE NUMBERS

CANUTEC: (613) 996-6666

SECTION 02: HAZARDOUS INGREDIENTS

Ingredients	CAS#	%(weight)	LD/50 Route/Species
tris (dimethylaminomethyl) phenol	90-72-2	3-7	LD50(Oral-Rat) – 1000mg./Kg. LD50 (Dermal-Rat) – 1280mg./Kg.
2,2'-iminodiethylamine	111-40-0	10-30	LD50(Oral-Rat) – 819mg./Kg. LD50(Dermal-Rat) – 672mg./Kg.
Aminoethylethanolamine	111-41-1	3-7	LD50(Oral-Rat) - >2000mg./Kg. LD50(Dermal-Rat) - >2000mg./Kg.
Aminopropylmorpholine	123-00-2	3-7	LD50 (Oral-Rat) – 1790mg./Kg. LD50 (Dermal-Rabbit) – 2300mg./Kg.
2-Methylpentamethylene diamine	15520-10-2	10-30	LD50(oral-Rat) – 1690mg./Kg. LC50(Inh.-Rat) – 1029ppm (1HR.)
Aromatic Hydrocarbon	64742-94-5	3-7	LD50 – Not Available
4-Nonylphenol (Branched)	84852-15-3	10-30	LD50(Oral-Rat) – 1620mg./Kg. LD50(Dermal-Rabbit) – 2140mg./Kg.

MATERIAL SAFETY DATA SHEET

Page 2

SECTION 03: PHYSICAL DATA

Physical State: Liquid	Viscosity: 120 cps @ 24°C (75°F)
Specific Gravity: .980 @ 23°C (73°F)	Vapour Density: n/a
Vapour Pressure: 0.70mm Hg @ 21°C (70°F)	Evaporation Rate: n/a
Solubility in Water: 10-20%	% Volatile: (voc): 10gm./L
Boiling Point: n/a	Odour: Characteristic amine
Freezing/Melting Point: n/a	Appearance: Clear amber mobile liquid

SECTION 04: TOXICOLOGICAL PROPERTIES

NATURE OF HAZARD

INHALATION, ACUTE: Irritating to respiratory tract. Coughing and chest pain may result. Inhalation of aerosol, mist or fog may cause harm.

INHALATION, CHRONIC: Refer to acute inhalation.

EYE CONTACT: Contact with undiluted product with the eyes quickly causes irritation and pain and may cause burns, necrosis and permanent injury. Burns of the eye may cause blindness. Product vapour 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.

INGESTION, ACUTE: May cause bleeding of the gastrointestinal tract and vomiting of blood.

INGESTION, CHRONIC: Refer to acute ingestion.

Toxicological Date: No data.

SECTION 05: FIRST AID MEASURES

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.

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.

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.

SECTION 06: PREVENTIVE MEASURES

PERSONAL PROTECTION: Avoid smoking, drinking or eating when using product. Avoid contact with eyes, skin and clothing. Discard contaminated leather.

ENGINEERING CONTROLS: General ventilation; local exhaust ventilation as necessary to control any air contaminants, to within their TLV's, in the use of this product. For most applications only passive ventilation is required.

HANDLING, STORAGE AND SHIPPING: Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Cancer causing nitrosamines could be formed. Store away from heat and ignition sources. Store in a cool, dry and well ventilated area. Keep away from acids, alkalis and oxidizing agents. Keep containers closed when not in use.

SPILL CONTROL AND DISPOSAL: Avoid all skin contact. Avoid breathing vapours of heated materials. Keep away from heat, sparks and open flame. Wash thoroughly after handling.

LAND SPILL: Keep public away. Prevent additional discharge of material, if possible to do so without hazard. Prevent spills from entering sewers, watercourses or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by using a suitable absorbent.

WATER SPILL: Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in confined water.

SECTION 07: FIRE AND EXPLOSION DATA

Flashpoint and Method: >100°C (T.C.C.)

Auto ignition Temperature: Not Available

Flammable Limits: Not Available

GENERAL HAZARDS:

FIRE FIGHTING: Personnel in vicinity and downwind should be evacuated. Fire fighters should wear approved self contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION PRODUCTS: May generate toxic or irritating combustion products. Ammonia, oxides of carbon (CO, CO₂) and oxides of nitrogen.

SECTION 08: REACTIVITY DATA

GENERAL: This product is stable and hazardous polymerization will not occur under normal conditions.

INCOMPATIBLE MATERIALS: Contact with mineral acids (such as sulfuric, phosphoric etc.), alkalis, organic acids (ie; acetic acid, citric acid etc.), reducing agents, reactive metals (ie; sodium, calcium, zinc etc.), sodium or calcium hypochlorite, materials reactive with hydroxyl compounds, amines, nitrites, nitrosating agents such as perchlorates or nitrates.

HAZARDOUS DECOMPOSITION: NONE under normal storage temperatures.

SECTION 09: PREPARATION

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