



MATERIAL SAFETY DATA SHEET

Polyurethane 500 Part B

SECTION I

Product Identification and General Information

Product Name: Polyurethane 500 Part B
Product Class: Aliphatic Polyisocyanate
HMIS Codes: H F R P
2 1 1 G

Date Prepared: 4/21/99
24 Hour Emergency Assistance: Chemtrec
1-800-424-9300

SECTION II

Hazardous Ingredients

Aliphatic Polyisocyanate
Hexamethylene Isocyanate
HDI Based Polyisocyanate

<u>CASH</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Proprietary (*)	N/E	N/E
822-060	N/E	.005 ppm
Proprietary (*)	N/E	N/E

(*) Listed in TSCA Inventory

SECTION III

Physical Data

Boiling Point: N/E
Vapor Pressure: N/E
Vapor Density: N/E
Specific Gravity: N/E
Percent Volatiles: None

Solubility in Water: Soluble
Evaporation Rate: N/E
Appearance: Clear/Pale Yellow
Odor: Slight

SECTION IV

Fire and Explosion Hazard Data

Flash Point: Greater than 250° F (SETA Flash c.c.)
Flammable Limits:
LEL: N/E
UEL: N/E

Special Fire Fighting Procedures: Fire-fighter should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

Fire and Explosion Hazards: During fire, HDI vapors and other highly toxic gases may be generated. Closed containers may explode when exposed to extreme heat or when contaminated with water.

Extinguishing Media: Dry chemical, carbon dioxide, foam water.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, oxides of nitrogen traces of HDI and HCN.

Fire and Explosion Hazards: During fire, HDI vapors and other highly toxic gases may be generated. Closed containers may expand when exposed to extreme heat or when contaminated with water.

SECTION V

Reactivity Data

Stability: Stable

Hazardous Polymerization: May occur; contact with moisture or other materials which react with isocyanates or temperatures over 400°F may cause polymerization.

MAINTEX, Inc.

MANUFACTURER OF CHEMICAL SPECIALTIES

13575 Gregg Street • Poway, CA 92064-7100 • (800) 261-4456 • (858) 513-8286 • Fax (858) 513-8266

SECTION VI

Health Hazard Data

Primary Route of Entry: Inhalation, skin contact, eye contact

Eye Contact: May cause tearing, reddening and swelling accompanied by a stinging sensation.

Skin Contact: May cause irritation, reddening, swelling, rash, scaling or blistering.

Inhalation: Vapors or mist above the TLV can irritate the mucous membranes in the respiratory tract causing runny nose, sore throat, coughing, chest discomfort and reduced lung function. Persons with a pre-existing non-specific bronchial hyperactivity can respond to concentrations below the TLV with similar symptoms or an asthma attack. Exposure well above the TLV may lead to bronchitis, bronchial spasm and pulmonary edema.

Ingestion: No adverse effects found.

Chronic Overexposure: Can lead to sensitization (chemical asthma). Symptoms would include chest tightness, wheezing, cough, shortness of breath or asthmatic attack which could be immediate or delayed up to several hours after exposure. Chronic overexposure has been reported to cause lung damage which may be permanent.

SECTION VII

First Aid

Eyes: Flush with clean water for at least 15 minutes while lifting eyelids. Call physician immediately.

Skin: Remove contaminated clothing immediately. Wash affected areas thoroughly with soap (green tincture soap is recommended) and water. For severe exposures, get under safety shower after removing clothing. Get medical attention.

Ingestion: Do not induce vomiting. Give 1 or 2 cups of milk or water to drink. Consult physician.

Inhalation: Move to fresh air. Administer oxygen or artificial respiration as needed. Obtain medical attention.

SECTION VIII

Special Protection Information

Respiratory Protection: A respirator that is approved for use in isocyanate containing environments (air purifying or fresh air supplied) is necessary for spray applications or other situations such as high temperature use which may produce volatilization.

Ventilation: General dilution ventilation that maintains vapor levels below the appropriate exposure limit is recommended.

Eye Protection: Safety glasses or goggles are recommended.

Skin Protection: Impermeable gloves are recommended.

SECTION IX

Spill or Leak Procedures

Steps to be taken if material is released or spilled: Wear protective equipment to prevent exposure. Collect spill with absorbent material. Flush area with a 5% TSP/water solution.

Waste Disposal Method: Dispose of in compliance with federal, state or local government regulations.

SECTION X

Shipping Data

D.O.T. Shipping Name: Epoxy Paint

Technical Shipping Name: Aliphatic Polyisocyanate

D.O.T. Hazard Class: Not Regulated

UN/NA Number: N/A

Reportable Quantity: None

D.O.T. Labels Required: None

Freight Class: 55