

02/11/2008

MATERIAL SAFETY DATA SHEET

HP500 & HP504 ADHESIVE

SECTION 1 – PRODUCT IDENTIFICATION**Product Name:** HP 500 Adhesive**Trade Names and Synonyms:** Ethyl Cyanoacrylate**Product No:** ML 500**Suppliers Name:** Metalink Polymer and Adhesives**Emergency Phone:** 1-800-721-2448**Address:** P.O. Box 0851, Buna TX 77612**HMIS Codes:** Physical Hazard: 1

Flammability: 2

Health: 2

SECTION 2 - INGREDIENTS

Chemical Name	CAS No.	WT%	PEL	ACGIH TLV TWA	Other Limits
Ethyl Cyanoacrylate	7085-85-0	85-100	NA	0.2 ppm	0.3ppm STEL

SECTION 3 – HAZARDS IDENTIFICATION**Label Precautionary Statements:** Irritant. Irritating to eyes, skin, and respiratory system. Cyanoacrylate. Danger. Bonds skin and eyes in seconds.**Primary Routes of Entry:** None Known**Symptoms of Exposure:** Vapor irritating to eyes and breathing. Prolonged exposure may lead to non-allergic asthma.**Medical Conditions Aggravated by Exposure:** No applicable information found

Ethyl Cyanoacrylate is not listed as a carcinogen in the US National Toxicology Program Annual report on carcinogens, or by the International Agency for Research on Cancer.

SECTION 4 – FIRST AID MEASURES**Ingestion:** Ingestion not likely due to polymerization**Inhalation:** Remove to fresh air. If symptoms continue, seek medical advice.**Skin Contact:** Soak in warm soapy water.**Eye Contact:** Flush with water. Seek medical attention**SECTION 5 – FIRE FIGHTING MEASURES****Flash point (TCC):** >81°C**Extinguishing Media:** Water spray, foam, dry chemical or CO2**Special Fire Fighting Procedures:** Wear self contained breathing apparatus**Unusual Fire and Explosion Hazards:** None.**Hazardous Thermal Decomposition Products:** Irritating organic vapors may be formed.**SECTION 6 – ACCIDENTAL RELEASE MEASURES****Steps to be taken if material is spilled or released:** Ventilate area of spill . Polymerize with water. Solid material may be scraped from surface. Absorb with sand/earth and dispose to chemical waste bin.**Waste Disposal Method:** Dispose in accordance with local, state and federal regulations.**SECTION 7 – STORAGE AND HANDLING DATA****Precautions to Be Taken in Handling and Storing:** Avoid moisture, direct UV-sunlight and do not store above 25°C. Keep containers closed tightly when not in use.**Other Precautions:** Avoid breathing vapor, contact with eyes/skin. Do not store at -5°C which freezes product to useless state. Product not damaged by freezing. Incompatible with amine, bases, water.**SECTION 8 – EXPOSURE AND PERSONAL PROTECTION INFORMATION****Respiratory Protection:** NIOSH – approved organic vapor canister may be used to maintain vapor concentration below TLV.**Ventilation:** Local Exhaust: To maintain vapor concentration below TLV. Mechanical: Large amounts used to 2ppm.**Eye Protection:** Safety glasses with side-shield, vinyl (polyethylene)**Skin Protection:** Nitrile / polyethylene gloves**Protective Clothing or Equipment:** coveralls or rubber apron to protect clothing. Avoid cotton products.**Work/Hygienic Practices:** Soap and water helps remove adhesive from skin.**SECTION 9 – PHYSICAL DATA****Boiling Range (F):** >100° C**Flash Point:** >81°C**Vapor Pressure (mm Hg):** <0.5mmHG @ 25°C**Vapor Density (air = 1):** nil-NE**Specific Gravity (H20=1):** 1.1**Evaporation Rate (Butyl Acetate=1):** nil-NE**VOC Content:** <20g/L estimated**Physical Description:** Transparent water-white to straw colored liquid with stimulated odor.**Solubility in Water:** Insoluble, material reacts to hardened mass for non-hardened waste.

SECTION 10 – REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Excessive heat above 176°F, moisture and alkaline.

Incompatibility (materials to avoid): Polymerized by water, alcohol, amines, and bases.

Hazardous Decomposition: none known.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Estimated Oral LD50: >5000mg/kg

Estimated Oral LD50: >2000mg/kg

Estimated Oral LD50: >4000 ppm/1H

Causes Severe Irritation. High concentrations are destructive to tissues of the mucous membranes and the upper respiratory tract.

SECTION 12 – ECOLOGICAL INFORMATION

No applicable information found

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Not considered hazardous for the purposes of transportation.

SECTION 15 – REGULATORY INFORMATION

TSCA: All ingredients exempt from listing

CANADA DSL: All ingredients exempt from listing

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