

SECTION 1 - PRODUCT IDENTIFICATION

Name: HP90 Threadlocker

Part #: ML590

Emergency Phone: 1-800-721-2448

Manufacturer: Metalink Polymer and Adhesives, P. O. Box 0851, Buna TX 77612-0851 Phone: 1-800-721-2448

Distributed by: IBS, INCORPORATED, P.O. Box 1717, Auburn, WA 98001 Phone: 1-800-678-1906

NFPA: HEALTH: 1, FLAMMABILITY: 2, REACTIVITY: 1, SPECIAL:

SECTION 2 - INGREDIENTS

Chemical Name	CAS No.	WT%	PEL	TLV	OTHER LIMITS
Ethyl-2-Cyanoacrylate	7085-85-0	30-60	NE	NE	2ppm TWA
Poly (Methyl Methacrylate)	9011-14-7	10-30	NE	NE	
Hydroquinone *	123-31-9	0-1	2mg/m3	2mg/m3	
N-Dioctyl Phthalate	117-84-0	5-40	5mg/m3 TWA	NE	

* This ingredient is subject to the reporting requirements of Section 313 of Title II of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40CFR 372.

SECTION 3 - PHYSICAL DATA

Boiling Range (F): 149

Vapor Pressure (mm Hg): 1 @ 20°C

Vapor Density (air=1): nil-NE

Physical Description: Green colored liquid with stimulative odor

Solubility in Water: Insoluble, material reacts to hardened mass for non-hardened waste

Specific Gravity (H2O=1): 1.03

Melting Point: NE

Evaporation Rate (Butyl Acetate=1): nil-NE

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (TCC): 176°F Explosive Limits: UEL: NE LEL: NE

Extinguishing Media: Water, dry chemical

Special Fire Fighting Procedures: Fumes may be irritating if not burning and require air supply with goggles while applying large amounts of water or dry chemical extinguisher.

Unusual Fire and Explosion Hazards: None. Combustible requiring the above procedures.

SECTION 5 - REACTIVITY DATA

Stability: Stable

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

Incompatibility (materials to avoid): Polymerized by water, alcohol, amines, alkaline materials and direct UV.

Hazardous Decomposition: Combustible by-products of Carbon monoxide/dioxide.

Hazardous Polymerization: Will not occur

SECTION 6 - HEALTH HAZARDS

Effects of Overexposure:

Primary Routes of Entry: Inhalation, Ingestion: LD50=12.2cc/kg (mice)

Health Hazards (Acute and Chronic)

Acute: Irritates eyes, mucous membranes

Chronic: No residual effects of acute properties.

Carcinogenicity: NTP: No

IARC Monographs: No

OSHA: No

Signs and Symptoms of Exposure and First Aid Procedures:

Eye contact: Tearing from eye irritation. Remove to fresh air. Flush areas of contact with water. Adhesive will disassociate from eye/eyelids over time, usually within several hours. Temporary weeping of eyes, double vision may be experienced until clearance is achieved.**Skin contact:** Immerse bonded areas in warm, soapy water. Peel or roll skin apart. Remove cured adhesive with several applications of warm, soapy water. Prolonged or repeated contact at elevated levels may cause dermatitis in sensitive individuals.**Inhalation:** Irritation of mucous membranes/coughing. Remove to fresh air. Prolonged or repeated exposure at elevated levels may produce allergic reactions with asthma-like symptoms in sensitive individuals.**Ingestion:** Lips may become stuck together: apply copious amounts of warm water & encourage wetting/pressure from saliva inside mouth. Peel or roll (do not pull) lips apart. It is almost impossible to swallow cyanoacrylate as adhesive solidifies upon contact with saliva & may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Avoid swallowing adhesive after detachment.**Medical Conditions Generally Aggravated by Exposure:** Pre-existing skin, eye and respiratory disorders may be aggravated by exposure.

SECTION 7 - STORAGE AND HANDLING DATA

Steps to be taken if material is spilled or released: Polymerize with water. Solid material may be scraped from surface.

Waste Disposal Method: Incinerate solid combustible waste or dump as chemical waste according to local, state and federal regulations.

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.

SECTION 8 - SPECIAL 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.

Protective Clothing or Equipment: Safety glasses with side-shield, vinyl (polyethylene) non-sticking gloves, rubber apron to protect clothing.

Work/Hygienic Practices: Soap and water helps remove adhesive from skin.

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