

U.S Department of Labor
MATERIAL SAFETY DATA SHEET

Manufacturer's Name: Mercury Adhesives LLC Emergency Telephone Number: 1-800-424-9300
Address: 6150 parkway North Dr Cumming GA 30040
Chemical name and synonyms: ETHYL Trade name and synonyms: Mercury M5T, M300M, M1100G
Chemical family: CYANOACRYLATE ESTER Formula: N/A
Flammability: MEDIUM Health: MEDIUM Reactivity: MEDIUM Specific Hazard: SKIN BONDING & BURNING

SECTION II-HAZARDOUS INGREDIENTS

Hazardous Mixtures of Other Liquids, Solids, or Gases

	CAS NO.	%	CARCINOGEN		
			NTP	IARC	OSHA
ETHYL CYANOACRYLATE	7085-85-0	85-90	NO	NO	NO
POLY (METHYL METHACRYLATE)	9011-14-7	10-15	NO	N/A	NO
HYDROQUINONE	123-31-9	0.1-0.5	NO	N/A	NO

SECTION III-PHYSICAL DATA

Boiling point: More than 300-F Specific Gravity: 1.08
Vapor Pressure: Less than 0.2mm Percent Volatile, by volume: 87.2%
Vapor Density: Approximately 3 Evaporation Rate: N/A
Solubility in Water: Polymerized by water Odor: Sharp, irritating
Appearance: Clear liquid

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point: 185F (method used-T.O.C.) Flammable Limits: LEL: N/A UEL: N/A
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.
Special Fire Fighting Procedures: SELF CONTAINED BREATHING APPARATUS.
Unusual Fire and Explosion Hazards: POSSIBLE EXOTHERMIC REACTION LEADING TO SUBSTRATE IGNITION AND FUME GENERATION.

SECTION V-HEALTH HAZARD DATA

Threshold Limit Value: NO CRITERIA FOR MEASUREMENT. NOT YET ESTABLISHED. ESTIMATED 2PPM.
Effects of Overexposure: VAPOR IS IRRITATING TO EYES AND MUCOUS MEMBRANES ABOVE TLV. PROLONGED AND REPEATED OVEREXPOSURE TO VAPORS MAY PRODUCE ALLERGIC REACTIONS WITH ASTHMA-LIKE SYMPTOMS IN SENSITIVE INDIVIDUALS.
Emergency and First Aid Procedures: SKIN: IMMERSER BONDED SURFACE IN WARM SOAPY WATER. PEEL OR ROLL SURFACE APART WITH AID OF BLUNT EDGE. DO NOT PULL APART WITH DIRECT OPPOSING ACTION. EYE: FLUSH WITH WARM WATER AND APPLY GAUSE PATCH. EYE WILL OPEN WITHIN 1-4 DAYS. MOUTH: APPLY WARM WATER TO MOUTH. PEEL OR ROLL LIPS APART. BURNS: SHOULD BE TREATED NORMALLY AFTER THE LUMP OF CYANOACRYLATE IS RELEASED FROM THE TISSUE. INHALATION: REMOVE TO FRESH AIR.

SECTION VI-REACTIVITY DATA

Stability: STABLE (UNDER NORMAL CONDITIONS). Conditions to avoid: AMINES, BASIC MATERIALS.
Hazardous Decomposition Products: NONE. Hazardous Polymerization: WILL NOT OCCUR.
Incompatibility (Materials to avoid): POLYMERIZED BY CONTACT WITH WATER, ALCOHOL, AMINES, ALKALIES.

SECTION VII-SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: FLOOD WITH WATER TO POLYMERIZE. SOAK UP WITH AN INERT ABSORBENT.
Waste disposal method: POLYMERIZE AS ABOVE. INCINERATE IN ACCORDANCE WITH EPA AND LOCAL REGULATIONS.

SECTION VIII-SPECIAL PROTECTION INFORMATION

Respiratory protection (type): NONE NEEDED FOR NORMAL USE.
Ventilation: POSITIVE DOWN-DRAFT EXHAUST VENTILATION SHOULD BE PROVIDED TO MAINTAIN VAPOR CONCENTRATION BELOW TLV.
Protective Gloves: POLYETHYLENE GLOVES, DO NOT USE COTTON GLOVES.
Eye Protection: SAFETY GLASSES OR GOGGLES.
Other protective equipment: POLYETHYLENE/POLYPROPYLENE COATS OR APRONS (NOT RUBBER OR COTTON).

SECTION IX-SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: STORE AT OR BELOW 75-F TO MAXIMIZE SHELF LIFE.
Other precautions: AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING VAPOR.

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