

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for the specific requirements.

U. S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTIFY (As used on label) Mercury M100XF		NOTE: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate it.	
Section I			
Manufacture's Name Mercury Adhesives LLC		Emergency Telephone Number 1-800-424-9300 (International Number) 703-527-3887	
Address (Number, Street, City, State and ZIP Code) 6150 Parkway North Dr Cumming Ga 30040		Telephone Number for Information 770-886-9566 Data Prepared 9/26/05 Signature of Preparer (Optional)	
Section II – Hazardous Ingredients/Identity Information			
Hazardous Components (Specify Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV Other Limits Recommended		% Optional)	
Ethyl Cyanoacrylate		7085-85-0 60-100	
Section III – Physical/Chemical Characteristics			
Boiling Point	More than >212°F	Specific Gravity (H ₂ O =1)	1.1
Vapor Pressure (mm Hg)	Less than 0.2mm @ 75°F	Melting Point	NE
Vapor Density (AIR = 1)	Approx. 3	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water: Polymerized by water			
Appearance and Odor: Clear, viscous liquid with a sharp, irritating odor. (Odor threshold: 1 – 2 ppm)			
Section IV – Fire and Explosion Hazard Data			
Flash Point (Method Used) 176 – 200°F	Flammable Limits NA	LEL	UEL
Extinguishing Media: Foam, CO ₂ , dry chemicals			
Special Fire Fighting Procedures: Use self-contained breathing apparatus.			
Unusual Fire and Explosion Hazards: Irritating organic vapors.			

Section V – Health Hazard Data			
Threshold Limit Value: ACGIH TLV: None; OSHA PEL: None, Other 0.2 ppm TWA			
Effects of overexposure: Ingestion: not likely. The product will polymerize rapidly, adhering to the mouth. Insure breathing passages are clear. Saliva will separate any solidified product within two days. Prevent accidental swallowing. Inhalation: may be irritating to respiratory system above recommended exposure limits. Prolonged and repeated overexposure to vapors may produce non-allergic asthma in sensitive individuals. Skin: bonds in seconds. Large drops on clothing may cause burns.			
Emergency and First Aid Procedures: Ingestion: do not induce vomiting. Keep individual calm. Give large amounts of water to drink. See a doctor as soon as possible. Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention. Eyes: irritating. Immediately flush with warm water for at least 15 minutes, get prompt medical attention and apply a gauze patch. Cyanoacrylate will bond to eye protein and cause a lachrymatory effect that will help de-bond the adhesive. Keep eye covered until de-bonding is complete (usually within 1-4 days). Skin: Immerse bonded surface in warm soapy water. Peel or roll surface apart with aid of blunt edge. Do not pull apart with direct opposing action. If skin is burned by a large drop, (due to heat generated by the polymerization) seek medical help. If the lips are accidentally bonded, apply warm soapy water, encourage maximum wetting and pressure from saliva inside the mouth and peel or roll lips apart. DO NOT TRY TO PULL LIPS APART. Burns: Should be treated normally after the lump of cyanoacrylate is released from the tissue.			

Section VI – Reactivity Data			
Stability	Unstable		Conditions to Avoid Elevated temperatures, direct sunlight, and sources of ignition.
	Stable	X	
Incompatibility (<i>Materials to avoid</i>) Polymerized by contact with water, alcohol, amines and/or alkalis.			
Hazardous Decomposition Products: None			
Hazardous	May occur	X	Conditions to Avoid: Rapid polymerization will occur in the presence of water, amines, alkalis and alcohol. Avoid skin contact.
Polymerization	Will not occur		
Section VII – Spill or Leak Procedures			
Steps to be taken in case material is to be released or spilled: Remove all ignition sources. Ventilate area, prevent product from entering drains. Flood with water to complete polymerization. Scrape off floor.			
Waste Disposal Method: Cured material can be disposed of as non-hazardous waste. Polymerize as above. Incinerate in accordance with EPA and local regulations.			
Section VIII – Special Protective Information			
Respiratory Protection (<i>Specify Type</i>) At high vapor concentrations, an approved self-contained breathing apparatus should be worn.			
Ventilation	Local Exhaust	Special	
	Recommend positive down draft exhaust ventilation to maintain vapor concentration below TLV.	None	
	Mechanical	Other	
	Not Applicable		
Protective Gloves: Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton.	Eye Protection: Chemical splash goggles or safety glasses with side shields.		
Other Protective Equipment: Polyethylene/Polypropylene coats or aprons (not rubber or cotton)			
Section IX – Special Precautions			
Precautions to be taken in handling and storing: Keep away from heat, sparks, flames and direct sunlight. Avoid contact with eyes, skin and clothing. Wear chemical resistant gloves when handling. Avoid inhalation of vapors.			
Other Precautions: Avoid contact with polymerization initiators; water, alcohol, amines or alkalis. Store in tightly closed, labeled containers at or below 75°F. Keep in well, ventilated area away from heat, sparks and open flames.			
Section X – Regulatory Information			
CERCLA/SARA 311/312: Immediate/Delayed health hazard, fire, reactive. WHMIS Hazard Class: B.3, D.2B. All ingredients are listed or exempt from listing on the TSCA Inventory and DSL.			
Estimated HMIS Code: Health Hazard (2) Fire Hazard (2) Reactivity (1)			
Section XI – Transportation Information			
DOT (49CFR172): Unrestricted [Less than 450 L] NA1993, Combustible liquid, n.o.s. (cyanoacrylate ester), 3, III [More than 450 L] IATA: Unrestricted [Not more than 500mL] UN3334, Aviation regulated liquid, n.o.s., (cyanoacrylate ester), 9 [More than 500 mL]			
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