

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 M3500FL		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		Telephone Number for Information 770-886-9566	
Cumming, GA 30040		Data Prepared 9/30/05	
		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		70-100
Poly (Methyl Methacrylate)	9011-14-7		5-10
Amorphous Silica	68909-20-6		5-10
Di-N-Butylphthalate*	84-74-2		5-10
*This is listed as a SARA section 313 Toxic Chemical			
Section III – Physical/Chemical Characteristics			
Boiling Point	>300°F	Specific Gravity (H2O =1) 20°C	1.06
Vapor Pressure (mm Hg)	<0.2mm @ 75°F	Melting Point	NA
Vapor Density (AIR = 1)	Approx. 3	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water: Polymerized by water			
Appearance and Odor: Clear liquid with a sharp, irritating odor.			
Section IV – Fire and Explosion Hazard Data			
Flash Point (Method Used) 185°F	Flammable Limits NA	LEL N/DA	UEL N/DA
Extinguishing Media: Foam, CO ₂ , dry chemicals			
Special Fire Fighting Procedures: Use 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: ACGIH TLV: None; OSHA PEL: None, Other 0.2 ppm TWA			
Effects of overexposure: Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and repeated overexposure to vapors may product allergic reactions with asthma-like symptoms in sensitive individuals.			
Emergency and First Aid Procedures: Skin: immerse bonded surface in warm soapy water. Peel or roll with warm water and apply with the aid of a blunt edge. Do not pull apart with direct opposing action. Eye: flush with warm water and apply gauze patch. Eye will open within 1-4 days. Mouth: flush mouth with water. 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	Unstable	Conditions to Avoid	Amines, base materials.
	Stable	X	(under normal conditions)
Incompatibility (Materials to avoid) Polymerized by contact with water, alcohols, amines and alkalis.			
Hazardous Decomposition Products:			

None.			
Hazardous Polymerization	May occur	X	Conditions to Avoid:
	Will not occur		
Section VII – Spill or Leak Procedures			
Steps to be taken in case material is to be 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 Protective Information			
Respiratory Protection (<i>Specify Type</i>) None needed for normal use.			
Ventilation	Local Exhaust	Positive down draft exhaust ventilation should be provided to maintain vapor concentration below TLV.	Special None
	Mechanical	Not Applicable	Other None
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 storing: Store at or below 75°F to maximize shelf life.			
Other Precautions: Avoid contact with skin and eyes. Avoid breathing vapors.			
Section X – Regulatory Information			
CERCLA/SARA 311/312 Immediate health hazard, Delayed Health Hazard, Fire, Reactive WHMIS Hazard Class B.3, D.2B			
Estimated HMIS Code: Health Hazard (2) Fire Hazard (2) Reactivity (1)			
Section XI – Transportation Information			
DOT (49 CFR 172) <u>Proper Shipping Name:</u> Unrestricted (not more than 450 liters) <u>UN#:</u> None <450 liters; NA 1993 >450 liters. Combustible liquids, N.O.S. Cyanoacrylate ester > 450 liters <u>Packaging Group:</u> <u>Hazard Classification:</u> Unrestricted < 450 liters; Combustible Liquid > 450 liters. <u>Hazard Label Requirement:</u> <u>IATA:</u> Unrestricted (Not more than one pint); Aviation regulated liquid N.O.S. (UN3334 Class 9 misc.) Cyanoacrylate ester (More than one pint)			
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