

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 Adhesive 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 Adhesive LLC		Emergency Telephone Number 1-800-424-9300 (International Number) 703-527-3887	
Address (Number, Street, City, State and ZIP Code) 6110 Parkway North Dr		Telephone Number for Information (770)-664-6624	
Cumming, GA 30040		Data Prepared 06/16/10	
		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	60-90
Dibutyl Phthalate		84-74-2	10-30
Acrylic Polymer – N.J.T.S. Reg No. 567-05700001-5863P		Trade Secret	1-10
Hydroquinone		123-31-9	<0.15
NE = Not Established			
Section III – Physical/Chemical Characteristics			
Boiling Point	≥131°F (@2mmHg)	Specific Gravity (H2O =1) 20°C	~1.06 @80°F
Vapor Pressure (mm Hg)	Less than 0.5mm @ 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.			
Section IV – Fire and Explosion Hazard Data			
Flash Point (Method Used) >176°F (C.C.)	Flammable Limits Class III Combustible liquid	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. Vapors may travel along the floor to an ignition source and flash back.			

Section V – Health Hazard Data			
Threshold Limit Value: Ethyl cyanoacrylate: ACGIH TWA, 0.2 ppm Hydroquinone: OSHA TWA 2mg/m3 Dibutyl phthalate: OSHA TWA 5mg/m3			
Effects of overexposure: Ingestion: Ingestion is not likely. The product will polymerize rapidly, adhering to the mouth. Inhalation: May be irritating to respiratory system above recommended exposure limits. Remove to fresh air. If breathing is difficult, seek medical attention. Vapors are irritating to eyes and mucous membranes. Prolonged and repeated exposure to vapors may produce allergic reactions with asthma-like symptoms in sensitive individuals. Skin: Bond skin instantly with small gaps. Moderate skin irritation Eyes: Severe eye irritation. Bonds eyelids rapidly.			
Emergency and First Aid Procedures: Ingestion: Insure breathing passages are clear. Saliva will separate any solidified product within two days. Prevent accidental swallowing. Eyes: Irritating. Immediately flush with warm water for at least 15 minutes, get prompt medical attention			

and apply gauze patch. Cyanoacrylate will bond to eye protein and cause a lachrymatory effect which will help de-bond the adhesive. Keep eye covered until de-bonding is complete (usually within 1-4 days). **Skin:** bonds rapidly and strongly. May cause burns. 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: Heat, light, alkali materials
	Stable	X	

Incompatibility (Materials to avoid)
 Polymerized by contact with water, alcohol, amines and/or alkalis.

Hazardous Decomposition Products:
 None.

Hazardous Polymerization	May occur	X	Conditions to Avoid: Heat, light, alkali materials
	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 (Specify Type)
 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.
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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. Do not eat, drink or smoke while using this product.

Other Precautions:
 Avoid breathing vapors. Avoid contact with skin and eyes.

Section X – Regulatory Information

All materials are listed or exempt from listing on the TOSCA inventory

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)

Note: This product classifies as a Consumer Commodity due to its size and intended use. ORM-D

Proper Shipping Name: Unrestricted (not more than 450 liters)

UN#: None <450 liters; NA 1993 >450 liters. Combustible liquids, N.O.S. Cyanoacrylate ester > 450 liters

Packaging Group:

Hazard Classification: Unrestricted < 450 liters; Combustible Liquid > 450 liters.

Hazard Label Requirement:

IATA: 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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