

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 M100F, M1000F		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)
Cyanoacrylate Ester		27816-23-5	85-100
Poly (Methyl Methacrylate)		9011-14-7	<15
Section III – Physical/Chemical Characteristics			
Boiling Point	>150°C	Specific Gravity (H2O =1) 20°C	1.1
Vapor Pressure (mm Hg)	Less than 0.2mm	Melting Point	n/a
Vapor Density (AIR = 1)	n/a	Evaporation Rate (Butyl Acetate = 1)	n/a
Solubility in Water: Polymerized by water			
Appearance and Odor: Colorless to straw color with a very slight odor.			
Section IV – Fire and Explosion Hazard Data			
Flash Point (Method Used) 176°F T.C.C.	Flammable Limits	LEL n/a	UEL n/a
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 can irritate eyes, nose and bronchial passage. Bonds skin in seconds. May cause burns if dropped on clothing in contact with the skin.			
Emergency and First Aid Procedures: Skin: immerse bonded surface in warm soapy water. Peel or roll surface apart with aid of a blunt edge. Do not pull apart with direct opposing action. Eye: flush eye with clear water for at least 15 minutes while gently holding eyelids open. If eyelids bond, eye will open naturally within 1-4 days. Get immediate medical attention. Mouth/Ingestion: apply warm water to mouth. Peel or roll lips apart. Inhalation: Remove to fresh air. Burns: Should be treated normally after the lump of cyanoacrylate is released from the tissue.			
Section VI – Reactivity Data			
Stability	Unstable	Conditions to Avoid Water, amines, basic materials and alcohols.	
	Stable	X	
Incompatibility (Materials to avoid) Polymerized by contact with water, alcohol, amine or alkaline products.			
Hazardous Decomposition Products: None.			

Hazardous Polymerization	May occur	X	Conditions to Avoid: Rapid polymerization by contact with water, alcohol, amines, alkalis.	
	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 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 May be desirable when using large amounts in a confined area.		Special None	
	Mechanical Not Applicable		Other None	
Protective Gloves: Polyethylene or rubber gloves. Do not use cotton, nylon or PVC gloves.			Eye Protection: Safety glasses or goggles.	
Other Protective Equipment: Polyethylene/polypropylene or nitrile coats or aprons (not cotton or nylon).				
Section IX – Special Precautions				
Precautions to be taken in handling and storing: Store at or below 75°F to maximize shelf life.				
Other Precautions: Keep away from children. Avoid contact with skin and eyes. Avoid breathing vapors.				
Section X – Regulatory Information				
CERCLA/SARA Section 311/312: Immediate Health hazard, Delayed health Hazard, Fire, Reactive WHMIS Hazard Class: B.3, D.2.B All components are listed or are exempt from listing on the TSCA Inventory and the Canadian DSL Estimated HMIS Code: Fire Hazard (2) Health 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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