

## 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 Adhesives M100F and 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.	
<b>Section I</b>			
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) 6110 Parkway North Dr Cumming, GA 30040		Telephone Number for Information (770)-664-6624	
		Data Prepared 06/15/10	
		Signature of Preparer (Optional)	
<b>Section II – Hazardous Ingredients/Identity Information</b>			
Hazardous Components (Specify Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV Other Limits Recommended			% Optional
Cyanoacrylate Ester	27816-23-5		> 80
Poly (Methyl Methacrylate)	9001-14-7		5-15
Hydroquinone	123-31-9		<0.1
<b>Section III – Physical/Chemical Characteristics</b>			
Boiling Point	>131°F (@0.8mmHg)	Specific Gravity (H2O =1) 20°C	~1.08
Vapor Pressure (mm Hg)	< 0.4mm (@68°F)	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.			
<b>Section IV – Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) >185°F C.C.	Flammable Limits	LEL n/a	UEL n/a
Extinguishing Media: Use class B fire extinguishers: Foam, CO <sub>2</sub> , dry chemicals, etc.			
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 ground to an ignition source and flash back.			
<b>Section V – Health Hazard Data</b>			
Threshold Limit Value: Hydroquinone: OSHA TWA 2 Mg/m <sup>3</sup>			
Effects of overexposure: Inhalation: Vapor can irritate eyes, nose and bronchial passage. Skin: Bonds skin in seconds. May cause burns if dropped on clothing in contact with the skin. Eyes: Moderate eye irritation, symptoms include tearing, redness, blurred or hazy vision Ingestion: almost impossible to swallow. Bonds instantly with mucous membranes.			
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. Burns should be treated normally after the lump of cyanoacrylate is released from the tissue. 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. Do not force eyelids apart. Get immediate medical attention. Mouth/Ingestion: Apply warm water to mouth. Peel or roll lips apart. Inhalation: Remove to fresh air.			

<b>Section VI – Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid Water, amines, basic materials and alcohols.
	Stable	X	
Incompatibility ( <i>Materials to avoid</i> ) 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 or heat
	Will not occur		
<b>Section VII – Spill or Leak Procedures</b>			
Steps to be taken in case material is to be released or spilled: Ventilate the area. Flood with water to polymerize. Soak up with inert absorbent.			
Waste Disposal Method: Polymerize as above, incinerate in accordance with EPA and local regulations.			
<b>Section VIII – Special Protective Information</b>			
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 rubber coats or aprons (not cotton or nylon).			
<b>Section IX – Special Precautions</b> Do not eat, drink or smoke while using these products.			
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.			
<b>Section X – Regulatory Information</b>			
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)			
<b>Section XI – Transportation Information</b>			
DOT (49CFR172): NOTE: This product classifies as a Consumer Commodity due to its size and intended use. ORM-D 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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