

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 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 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 6/03/08 | |
| | | 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 | > 90 |
| Acrylic Polymer – N.J.T.S. Reg No 56705700001-5863P | | Trade Secret | 5 - 10 |
| Hydroquinone | | 123-31-9 | <0.15 |
| Section III – Physical/Chemical Characteristics | | | |
| Boiling Point | ≥131°F | Specific Gravity (H ₂ O = 1) 20°C | 1.06 |
| Vapor Pressure (mm Hg) | Less than 0.2mm @ 75°F | Melting Point | NE |
| Vapor Density (AIR = 1) | Approximately 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 T.C.C. | Flammable Limits Class IIIA 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 can travel along the ground to an ignition source and flash back. | | | |
| Section V – Health Hazard Data | | | |
| Threshold Limit Value: ACGIH TLV: None; OSHA PEL: None, Other 0.2 ppm TWA | | | |
| 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. Prolonged and repeated overexposure to vapors may produce non-allergic asthma in sensitive individuals. Skin: Skin contact may cause burns. May cause burns if dropped on clothing in contact with the skin. Eyes: Severe eye irritant. 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. Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention. Eyes: Immediately flush with warm water for at least 15 minutes. Get prompt medical attention. Apply gauze patch. Cyanoacrylate will bond to eye protein and cause a lachrymatory effect that will help debond the adhesive. Keep eye covered until debonding 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 Alcohols, amines, bases, water, heat |
| | Stable | X | |
| Incompatibility (<i>Materials to avoid</i>) Polymerized by contact with water, alcohol, amines and/or other basic materials. | | | |
| Hazardous Decomposition Products: None. | | | |
| Hazardous Polymerization | May occur | X | Conditions to Avoid: Keep away from contact with water or skin. |
| | 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: Natural rubber or neoprene 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: 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. May cause burns if dropped on clothing in contact with the skin. 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 | | | |
| CERCLA/SARA 311/312: Immediate/Delayed health hazard, fire, reactive. WHMIS Hazard Class: B.3, D.2B. All components are listed or are exempt from listing on the TSCA Inventory and the DSL. | | | |
| Estimated HMIS Code: Health Hazard (2) Fire Hazard (2) Reactivity (1) | | | |
| Section XI – Transportation Information | | | |
| 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] | | | |
| Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Nothing herein shall be considered as recommending practices or products in violation of any patent, law or regulation. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. WE MAKE NO WARRANTIES REGARDING THE PRODUCTS AND DISCLAIM ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. | | | |