

# 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 Mh16		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) 6150 Parkway North Dr		Telephone Number for Information 770-886-9566	
Cumming, GA 30040		Date Prepared 08/06/05	
		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
Heptane	142-82-5		60-100%
NE = Not Established			

## Section III – Physical/Chemical Characteristics

Boiling Point	208°F	Specific Gravity (H2O =1)	Approximately 0.68@77°F
Vapor Pressure (mm Hg)	35 @ 68°F	Melting Point	NA
Vapor Density (AIR = 1)	3.45 g/l	Evaporation Rate (Butyl Acetate = 1)	2.7 (ether =1)

Solubility in Water:

Immiscible

Appearance and Odor:

Clear colorless liquid. Light, aliphatic hydrocarbon odor.

## Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) 19°F (T.C.C.) (Heptane)	Flammable Limits Heptane	LEL 1.0%	UEL 7.0%
--	-----------------------------	-------------	-------------

Extinguishing Media:

CO2, foam, dry chemical.

Special Fire Fighting Procedures:

Wear self-contained breathing gear and protective clothing.

Unusual Fire and Explosion Hazards:

Direct water jet will spread burning material. Combustion products are very toxic and highly irritating. Cool sealed drums with water spray to lessen chance of rupture. Container explosion can occur, vapor forms explosive mixture in the air.

## Section V – Health Hazard Data

Threshold Limit Value:

OSHA (Heptane): PEL 500ppm TWA. ACGIH TLV: 500 ppm STEL, 400ppm TWA

Effects of overexposure:

Ingestion: if significant quantity ingested, may dull senses (oral LD50 > 5000 Mg/KG).

Inhalation: may cause nausea, headache, dizziness, and irritation of respiratory tract.

Skin and eyes – irritation on contact. (Est. Dermal LD50 > 2000 Mg/Kg).

Emergency and First Aid Procedures:

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Remove to fresh air (oxygen or artificial respiration if needed). Obtain medical attention.

(Note to physician: use of Epinephrine is contra-indicated).

Skin: Flush with water and wash with soap.

Eyes: Flush eyes with water a minimum of 15 minutes. If irritation persists, contact a physician.

## Section VI – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to avoid)

<b>Strong oxidizers, sources of ignition.</b>			
Hazardous Decomposition Products: <b>Carbon Monoxide, Carbon Dioxide.</b>			
Hazardous Polymerization	May occur		Conditions to Avoid:
	Will not occur	X	
<b>Section VII – Spill or Leak Procedures</b>			
Steps to be taken in case material is to be released or spilled: Extremely flammable. Keep all sources of ignition and hot metal surfaces away from spill. Prevent material from entering sewers or natural waterways. Permit only properly protected workers with skin and eye protection and self-contained breathing gear. Absorb small spills with absorbent material. Pump large spills into salvage tanks.			
Waste Disposal Method: RCRA hazardous waste. Incinerate in accordance with EPA and local regulations.			
<b>Section VIII – Special Protective Information</b>			
Respiratory Protection ( <i>Specify Type</i> ) Above TLV. NIOSH/MESSA approved respirator.			
Ventilation	Local Exhaust	Recommended	Special None
	Mechanical		Other None
Protective Gloves: Resistant Plastic or Rubber		Eye Protection: Chemical splash goggles recommended.	
Other Protective Equipment: Protective Rubber or plastic apron.			
<b>Section IX – Special Precautions</b>			
Precautions to be taken in handling and storing: Store in a cool, dry place.			
Other Precautions: Keep away from excessive heat and flame. Keep container closed when not in use. Keep well ventilated. Avoid contact with eyes. Avoid vapors. Keep away from children.			
<b>Section X – Regulatory Information</b>			
All ingredients are listed or exempt from listing on the TSCA Inventory.			
Estimated HMIS Code: Health Hazard (2) Fire Hazard (3) Reactivity (0)			
<b>Section XI – Transportation Information</b>			
DOT (49 CFR 172)		UN#: 1206	
Proper Shipping Name: Heptane Solution		Packaging Group: II	
Hazard Classification: 3		Hazard Label Required: Flammable Liquid	
Exceptions: consumer commodity ORM-D (Not more than 1 liter)			
ICAO/IATA : Same as above			
Exceptions: May qualify as consumer commodity ID8000 (Not more than 500 ml)			
IMO/IMDG: Same as above			
Exceptions: Limited quantity (Not more than 1 Liter)			
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.			