1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Item No.: 81088
Part No.: MS-H
Product Type: Aerosol Spray Adhesive

2. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMETHYL ETHER</td>
<td>115-10-6</td>
<td>50-55</td>
</tr>
<tr>
<td>n-HEXANE*</td>
<td>110-54-3</td>
<td>20-30</td>
</tr>
<tr>
<td>ACETONE</td>
<td>67-64-1</td>
<td>15-20</td>
</tr>
<tr>
<td>Resins</td>
<td>Proprietary</td>
<td>5-10</td>
</tr>
</tbody>
</table>

* This component is listed as a SARA Section 313 Toxic Chemical.

**Ingredients which have exposure limits**

<table>
<thead>
<tr>
<th>Exposure Limits (TWA)</th>
<th>ACGIH (TLV)</th>
<th>OSHA (PEL)</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-HEXANE</td>
<td>50 ppm TWA</td>
<td>50 ppm TWA</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>180mg/M3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACETONE</td>
<td>500 ppm TWA</td>
<td>750 ppm TWA</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>1188 mg/m3</td>
<td>1800 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exposure Limits (STEL)</th>
<th>ACGIH (TLV)</th>
<th>OSHA (PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE</td>
<td>750 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td></td>
<td>1782 mg/m3</td>
<td>2400 mg/m3</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Toxicity: Contact may cause skin and eye irritation. Ingestion or inhalation may cause irritation or symptoms of intoxication.

Primary Routes of Entry: Inhalation, Skin

Signs and Symptoms of Exposure: Eye or skin irritation. Respiratory or gastrointestinal irritation. Intoxication.

Existing Conditions Aggravated by Exposure: None known

(continued)
Ingredients | Target Organ and Other Health Effects | NTP IARC OSHA
---|---|---
DIMETHYL ETHER | CNS IRR | NO NO NO
n-HEXANE | DEV IRR LUN NER REP | NO NO NO
ACETONE | BLO CNS IRR | NO NO NO
Resins | No Data | NO NO NO

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting unless directed by a physician. Get medical attention immediately.
Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped. Give oxygen if breathing is difficult. Call a physician.
Skin Contact: Wash with soap and water. Get medical attention if irritation persists.
Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Not available
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting Procedures: Keep containers cool using water spray. Use proper equipment to protect from bursting containers.
Hazardous Products formed by Fire or Thermal Decomp by Fire or Thermal Decomp
Unusual Fire or Explosion Hazards: Oxides of carbon, hydrocarbons.
Explosive Limits: Contents under pressure. Do not expose to temperatures exceeding 120°F as containers may vent, rupture or burst or liquid will be released.
not established
(% by volume in air)Lower Not available
(% by volume in air)Upper Not available

LOCTITE CORPORATION
ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100
MATERIAL SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Remove sources of ignition. Maintain adequate ventilation. Soak up spilled liquid with absorbent material. Place in a closed container.

7. HANDLING AND STORAGE

Safe Storage: Do not store above 120°F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid prolonged skin contact. Keep away from eyes. Avoid inhalation of vapors. Do not puncture or incinerate containers. Keep out of reach of children.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Wear safety glasses or goggles.
Skin: Wear rubber gloves.
Ventilation: Sufficient to maintain vapor concentration below TLV.
Respiratory: NIOSH/MSHA approved respirator if ventilation is inadequate and TLV is exceeded.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear/white liquid spray.
Odor: Solvent
Boiling Point: Not available
pH: Does not apply
Solubility in Water: Insoluble
Specific Gravity: 0.72
Volatile Organic Compound (EPA Method 24): 75%; 540 grams per liter
Vapor Pressure: 65 psi
Vapor Density: Not available
Evaporation Rate ( Ether = 1): Slower

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers
Conditions to Avoid: Not available
Hazardous Decomposition Products (non-thermal): None

LOCTITE CORPORATION
ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:
Dispose of in accordance with local, state, and federal regulations
Do not puncture or incinerate containers. Give empty or full containers to a disposal service licensed and equipped to safely handle pressurized cans.
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Consumer Commodity
Hazard Class or Division: ORM-D
Identification Number: None
Marine Pollutant: None
IATA
Proper Shipping Name: Aerosols, flammable
Class or Division: Division 2.1
UN or ID Number: UN 1950

15. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2*
Flammability Hazard: 3

LOCTITE CORPORATION
ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET Page 05 of 05

Item No.: 81088

16. OTHER INFORMATION (continued)

Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Stephen Repetto
Title: Research Chemist- Safety, Health & Regulatory Affairs
Company: Loctite Corporation
1001 Trout Brook Crossing, Rocky Hill CT 06067
(860) 571-5100

Revision Date: January 26, 1999
Revision: 0006