

HENKEL CONSUMER ADHESIVES

AVON, OH 44011  
 TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

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MS-H SPRAY ADH 11 OZ AE  
 01-81088

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MS-H SPRAY ADH 11 OZ AE  
 Item No.: 01-81088  
 Part No.: MS-H  
 Product Type: Aerosol Spray Adhesive

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
DIMETHYL ETHER	115-10-6	50-55
n-HEXANE*	110-54-3	20-30
ACETONE	67-64-1	15-20
Resins	Proprietary	5-10

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

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
n-HEXANE	50 ppmTWA (skin)	500 ppm TWA 1800 mg/M3	None
ACETONE	500 ppm TWA 1188 mg/m3	750 ppm TWA 1800 mg/m3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ACETONE	750 ppm 1782 mg/m3	1000 ppm 2400 mg/m3	

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

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## 3. HAZARDS IDENTIFICATION

(continued)

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		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

## Abbreviations

BLO Blood	CNS Central nervous system
DEV Developmental	IRR Irritant
LUN Lung	NER Nervous System
REP Reproductive	

## 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: Oxides of carbon, hydrocarbons.

Unusual Fire or Explosion Hazards: Contents under pressure. Do not expose to temperatures exceeding 120°F as containers may vent, rupture or burst or liquid will be released.

Explosive Limits: not established

(% by volume in air) Lower: Not available

(% by volume in air) Upper: Not available

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## 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

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## 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

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08/08/00

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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.

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