

LOCTITE CORPORATION

10/10/99

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

MATERIAL SAFETY DATA SHEET

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Duro(R) All-Purpose Spray Adhesive  
81088

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Item No.: 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 ppm TWA	50 ppm TWA 180mg/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)

Literature Referenced

Carcinogen

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

## 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.
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## 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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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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Revision Date: January 26, 1999 Revision: 0006

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