

LOCTITE CORPORATION

10/20/98

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)

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
DIMETHYL ETHER	CNS IRR	NO	NO	NO
n-HEXANE	DEV IRR NER REP	NO	NO	NO
ACETONE	AC4 BLO CNS IRR	NO	NO	NO
Resins	No Data	NO	NO	NO

Abbreviations

AC4 ACGIH-Unclassifiable as human carc. BLO Blood
 CNS Central nervous system DEV Developmental
 IRR Irritant 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, n.o.s. 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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