

LOCTITE CORPORATION

02/24/02

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

MATERIAL SAFETY DATA SHEET

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All-Purpose Spray Adhesive
30544

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: All-Purpose Spray Adhesive
Item No.: 30544
Product Type: Aerosol sealant

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
n-HEPTANE	142-82-5	15-40
PROPANE	74-98-6	10-30
Light aliphatic solvent naphtha	64742-89-8	7-13
BUTANE	106-97-8	1-10
CYCLOHEXANE*	110-82-7	1-10
TOLUENE*	108-88-3	0.5-1.5

* 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-HEPTANE	400 ppm TWA 1640 mg/M3	500 ppm TWA 1600 mg/M3	None
PROPANE	2500 ppm	1000 ppm 1800 mg/m3	None
Light aliphatic solvent naphtha	None	None	300ppm
BUTANE	800 ppm TWA 1900mg/M3	800 ppm TWA 1900mg/M3	None
CYCLOHEXANE	300 ppm TWA 1030mg/M3	300 ppm TWA 1050mg/M3	None
TOLUENE	50 ppm skin 188 mg/M3 skin	100 ppm 375mg/M3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
n-HEPTANE	500 ppm 2050 mg/M3	500 ppm 2000 mg/M3	
PROPANE	Asphyxiant	Asphyxiant	
TOLUENE	None	150 ppm 560mg/M3	

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3. HAZARDS IDENTIFICATION

Toxicity: Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Primary Routes of Entry: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

Signs and Symptoms of Exposure: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Existing Conditions Aggravated by Exposure: None generally recognized.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
n-HEPTANE	CNS IRR	NO	NO	NO
PROPANE	CAR CNS IRR	NO	NO	NO
Light aliphatic solvent naphtha	NTO	NO	NO	NO
BUTANE	CAR CNS IRR LUN	NO	NO	NO
CYCLOHEXANE	CNS IRR	NO	NO	NO
TOLUENE	BEH CAR CNS DEV EAR IRR	NO	NO	NO

Abbreviations

BEH Behavioral
 CNS Central nervous system
 EAR Ear
 LUN Lung
 CAR Cardiac
 DEV Developmental
 IRR Irritant
 NTO No Target Organs

4. FIRST AID MEASURES

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Give conscious patient several glasses of water. Seek medical attention

Inhalation: If affected, remove from exposure. Get medical attention if symptoms persist.

Skin Contact: Wash affected area thoroughly with soap and water.

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4. FIRST AID MEASURES (continued)

Remove contaminated clothing and launder before reuse.

Eye Contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Less than 0°F (Propellant) Method: Tag closed cup
Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical

Special Firefighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

Hazardous Products formed by Fire or Thermal Decomp Irritating organic vapors; oxides of carbon.

Unusual Fire or Explosion Hazards: Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Explosive Limits:
(% by volume in air) Lower 1.0%
(% by volume in air) Upper 10%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Remove all sources of ignition. Maintain good ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)

Handling: Keep away from heat, sparks or open flame. Vapors

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7. HANDLING AND STORAGE

(continued)

will accumulate readily and ignite explosively.
Use only with adequate ventilation. Avoid breathing vapors and spray mists. Avoid contact

with skin and eyes. During use and until all vapors are gone. Extinguish all flames, pilot lights, and heaters. Turn off stoves, electric tools and appliances, and other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Wear safety spectacles with unperforated sideshields.

Skin: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky white viscous liquid.

Odor: Solvent

Boiling Point: Range: Less than 0°F to 573°F.

pH: Does not apply

Solubility in Water: Not available

Specific Gravity: 0.71

Volatile Organic Compound (EPA Method 24) 74.75%; 531 grams per liter of material

Vapor Pressure: Not available

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9. PHYSICAL AND CHEMICAL PROPERTIES

(continued)

Vapor Density: Heavier than air.

Evaporation Rate (Ether = 1) Faster

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate liquid obtained by spray-emptying cans following EPA and local regulations. Do not puncture or incinerate 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

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15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
 Toluene

16. OTHER INFORMATION

Estimated NFPA(R) Code:
 Health Hazard: 2
 Fire Hazard: 4
 Reactivity Hazard: 0
 Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2*
Flammability Hazard: 4
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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