

Revision Date: 11/05/2007

Issue date: 11/05/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE® All Purpose Spray Adhesive
Product type: Adhesive
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 30544 / IDH No. 234933
Region: United States
Contact Information:
 Telephone: 860.571.5100
 Emergency telephone: 860.571.5100
 Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
n-Hexane 110-54-3	30-60	50 ppm TWA 500 ppm TWA other than n-Hexane 1000 ppm STEL other than n-Hexane (skin)	1800 mg/m ³ TWA 500 ppm TWA	None
Liquified petroleum propellant 68476-86-8	30-60	None	None	None
Acetone 67-64-1	10-30	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m ³ TWA	None
Cyclohexane 110-82-7	5-10	100 ppm TWA	1050 mg/m ³ TWA 300 ppm TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid Aerosol
Color: Milky White
Odor: Solvent

HMIS:

HEALTH: 2*
FLAMMABILITY: 4
PHYSICAL HAZARD: 2
Personal Protection: See Section 8

DANGER: EXTREMELY FLAMMABLE.
 CONTENTS UNDER PRESSURE.
 MAY BE HARMFUL OR FATAL IF SWALLOWED OR INHALED
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Eye contact, Skin contact, Inhalation

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Overexposure may cause nervous system depression.
Skin contact: Irritating to skin. Itching. Redness. Burning sensation.
Eye contact: Direct spray or vapors will irritate and may harm eyes.
Ingestion: Not expected under normal conditions of use. Do not taste or swallow. May be harmful or fatal if swallowed.

Existing conditions aggravated by exposure: None generally recognized.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. If skin irritation persists, call a physician.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to physician:	None.

5. FIRE-FIGHTING MEASURES

Flash point:	Not applicable to aerosols. Extremely Flammable
Flashback:	This product exhibits flashback when tested for flame extension.
Flame Projection:	18 inches (45.72 cm)
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	1.1 %
Flammable/Explosive limits-upper %:	12.8 %
Extinguishing media:	Carbon dioxide (CO ₂). Dry chemical. Foam.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water spray may be ineffective. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Unusual fire or explosion hazards:	Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not allow material to contaminate ground water system.
Clean-up methods:	Remove all ignition sources. Ventilate area. Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Vapors will accumulate readily and may ignite explosively. Use only with adequate ventilation. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.
Storage:	Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Store away from ignition sources.
Incompatible products:	None.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
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Respiratory protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.

Skin protection: Chemical resistant, impermeable gloves.

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid Aerosol
Color: Milky White
Odor: Solvent
Vapor pressure: Not available
pH: Not available
Boiling point/range: -18-100°C (0-212°F)
Melting point/range: Not available
Specific gravity: 0.65
Vapor density: Heavier than air
Evaporation rate: Faster than ether
Solubility in water: Not available
Partition coefficient (n-octanol/water): Not available
VOC content: 64.88%; 421 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: Oxides of carbon.
Incompatibility: None known.
Conditions to avoid: High temperatures.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
n-Hexane 110-54-3	No	No	No
Liquified petroleum propellant 68476-86-8	No	No	No
Acetone 67-64-1	No	No	No
Cyclohexane 110-82-7	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
n-Hexane 110-54-3	Developmental, Irritant, Lung, Nervous System, Reproductive
Liquified petroleum propellant 68476-86-8	No data
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Cyclohexane 110-82-7	Central nervous system, Irritant

12. ECOLOGICAL INFORMATION

Ecological information:

Not known No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with Federal, State and local regulations.

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: (Not more than 1 L) Consumer Commodity ORM-D
Marine pollutant: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

Water Transportation (IMO/MDG):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Marine pollutant: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Fire, Sudden Release, Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: n-Hexane (CAS# 110-54-3). Cyclohexane (CAS# 110-82-7).

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

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: A, B.5, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 3, 15

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