



Revision Number: 001.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Plumber & Marine Adhesive
Product type: Adhesive
IDH number: 1366077
Region: United States
Company address: Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067
Contact information: Telephone: 800.624.7767
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Gel	HEALTH:	*2
Color:	Clear	FLAMMABILITY:	3
Odor:	Solvent	PHYSICAL HAZARD:	1
		Personal Protection:	See MSDS Section 8

DANGER: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
 MAY BE HARMFUL IF INHALED.
 EXTREMELY FLAMMABLE LIQUID AND VAPOR.

Relevant routes of exposure: Skin, Ingestion, Lungs, Eye contact

Potential Health Effects

Inhalation: May be harmful if inhaled. Vapors and mists will irritate nose and throat and possibly eyes. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

Skin contact: Prolonged contact with skin may cause dermatitis. May cause skin irritation with discomfort or rash. Prolonged or repeated contact has caused severe dermatitis including blisters, cracking, edema and redness.

Eye contact: May cause severe eye irritation. Blurred vision. Redness. Tearing.

Ingestion: May cause an aspiration hazard if swallowed. Aspirated material can enter lungs and cause damage.

Existing conditions aggravated by exposure: Pre-existing skin, respiratory, central nervous system, liver and kidney conditions may be susceptible.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Toluene	108-88-3	30 - 60
n-Hexane	110-54-3	5 - 10

4. FIRST AID MEASURES

Inhalation:	Get medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Move to fresh air.
Skin contact:	Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash with soap and water.
Eye contact:	Get medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion:	Do not induce vomiting; contains petroleum distillates and/or aromatic solvents. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Aspiration may cause pulmonary edema and pneumonitis. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	-23 °C (-9.4 °F)
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	1.2 % (Toluene)
Flammable/Explosive limits - upper:	8 % (Toluene)
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Closed containers may explode when exposed to extreme heat. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Do not handle or store near an open flame, heat or other sources of ignition.
Hazardous combustion products:	Oxides of carbon. Hydrocarbons. Irritating organic vapours.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. 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:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
n-Hexane	(SKIN) 50 ppm TWA	500 ppm (1,800 mg/m ³) TWA	None	None

Engineering controls:	Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Eye/face protection:	Safety goggles or safety glasses with side shields. Wear chemical goggles or a full face shield.
Skin protection:	Chemical resistant, impermeable gloves. Long sleeved clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Gel
Color:	Clear
Odor:	Solvent
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	Not available
Boiling point/range:	Not available
Melting point/ range:	Not available
Specific gravity:	Not available
Vapor density:	> 1
Flash point:	-23 °C (-9.4 °F)
Flammable/Explosive limits - lower:	1.2 % (Toluene)
Flammable/Explosive limits - upper:	8 % (Toluene)
Autoignition temperature:	Not available
Evaporation rate:	Greater than butyl acetate., (Butyl acetate = 1)
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not available
VOC content:	48.1 %; 437 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Irritating organic vapours. Hydrocarbons. Oxides of carbon.
Incompatible materials:	Oxidizing agents.
Conditions to avoid:	Store away from incompatible materials. Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Toluene	No	No	No
n-Hexane	No	No	No

Hazardous components	Health Effects/Target Organs
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
n-Hexane	Developmental, Irritant, Lung, Nervous System, Reproductive

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Adhesives
Hazard class or division: 3
Identification number: UN 1133
Packing group: II
DOT Reportable quantity: Toluene
Exceptions: Consumer Commodity ORM-D (Not more than 5 L)

International Air Transportation (ICAO/IATA)

Proper shipping name: Adhesives
Hazard class or division: 3
Identification number: UN 1133
Packing group: II
Exceptions: Consumer Commodity ORM-D (Not more than 5 L)

Water Transportation (IMO/IMDG)

Proper shipping name: ADHESIVES
Hazard class or division: 3
Identification number: UN 1133
Packing group: II

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 above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus

CERCLA/SARA Section 311/312: Fire, Immediate Health, Delayed Health

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Toluene (CAS# 108-88-3). n-Hexane (CAS# 110-54-3).

California Proposition 65: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status:
WHMIS hazard class:

All components are listed on or are exempt from listing on the Domestic Substances List.
B.2, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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