



Revision Number: 002.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE SF 7601 EQUIPMENT FLUSH SOLVENT known as EQUIPMENT FLUSHING SOLVENT Sol	IDH number:	135238
Product type:	Cleaner	Item number:	12121
Restriction of Use:	None identified	Region:	United States
Company address:	Contact information:		
Henkel Corporation	Telephone: (860) 571-5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	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

WARNING: HARMFUL IF SWALLOWED.
CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.
SUSPECTED OF CAUSING CANCER.
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	4
SKIN IRRITATION	2
EYE IRRITATION	2A
CARCINOGENICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2

PICTOGRAM(S)



Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye and face protection. Wear protective gloves. Use personal protective equipment as required.

Response: If SWALLOWED: Immediately call poison control or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. IF exposed or concerned: Get medical attention. Rinse mouth. If skin irritation occurs: Get medical attention. If eye irritation persists: Get

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Product name: LOCTITE SF 7601 EQUIPMENT FLUSH SOLVENT known as EQUIPMENT FLUSHING SOLVENT Sol

Storage:
Disposal:

medical attention. Take off contaminated clothing.
Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Methylene chloride	75-09-2	60 - 100
Propylene oxide	75-56-9	0.1 - 1

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If symptoms develop and persist, get medical attention.
Skin contact:	Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention from a specialist.
Ingestion:	Do not induce vomiting. Drink 1-2 glasses of water, seek medical advice.
Symptoms:	See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. 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:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Concentrated vapors can be ignited by high intensity energy source. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.
Hazardous combustion products:	Oxides of carbon. Hydrochloric acid. Phosgene. Chlorine.

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 let product enter drains.
Clean-up methods:	Do not empty into drains / surface water / ground water. Soak up with inert absorbent. Wear suitable protective clothing, gloves and eye/face protection. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and clothing. Use only in area provided with appropriate exhaust ventilation.

Storage: Avoid skin and eye contact. Keep containers closed when not in use.

For information on product shelf life contact Henkel Technical Service at 1.888.9.HENKEL (1.888.943.6535).

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Methylene chloride	50 ppm TWA	12.5 ppm OSHA_ACT 25 ppm TWA 125 ppm STEL	None	None
Propylene oxide	2 ppm TWA	100 ppm (240 mg/m3) PEL	None	None

Engineering controls: Ensure adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection: A NIOSH approved self-contained breathing apparatus with full face shield is required for methylene chloride concentrations above 625 ppm and for spills and emergencies. If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.

Eye/face protection: Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Viton gloves. Nitrile gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Clear colorless
Odor:	Sweet, Solvent
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	350 mbar (20 °C (68°F))
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Specific gravity:	1.31 at 25 °C (77°F)
Vapor density:	2.93
Flash point:	No flash point up to 200 °C
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	556.00 °C (1,032.8 °F)
Evaporation rate:	Not available.
Solubility in water:	Slightly soluble
Partition coefficient (n-octanol/water):	Not available.
VOC content:	< 1 %; < 10 g/l
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Irritating and toxic gases or fumes may be released during a fire.
Incompatible materials:	Acids and bases. Oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	Avoid excessive heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation:	Exposure to high doses may cause central nervous system depression. Such doses may also cause adverse effects in the liver, kidneys, and lungs. The solvent vapors can be harmful and cause headache, nausea, and intoxication. Exposure to high concentrations can cause irregular heartbeat and cardiac arrest. Extreme overexposure may result in unconsciousness and possibly death. Carboxyhemoglobin levels can be elevated in persons exposed to methylene chloride and can cause substantial stress on the cardiovascular system. This elevation can be additive to the increase caused by smoking and other carbon monoxide sources.
Skin contact:	Causes skin irritation. Prolonged single exposure can result in progressively severe burning sensation and redness.
Eye contact:	Causes serious eye irritation. Mists, vapors or liquid may cause severe irritation or burns.
Ingestion:	Harmful if swallowed. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Ingestion causes irritation and effects similar to inhalation.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Methylene chloride	Oral LD50 (RAT) = 1,600 mg/kg Oral LD50 (RAT) = 3,000 mg/kg Inhalation LC50 (RAT, 15 min) = 2,000 mg/l Inhalation LC50 (RAT, 2 h) = 79 mg/l Inhalation LC50 (RAT, 6 h) = 52 mg/l Inhalation LC50 (RAT, 900 d) = 88 mg/l	Blood, Cardiac, Central nervous system, Corrosive, Irritant, Kidney, Liver, Some evidence of carcinogenicity
Propylene oxide	Oral LD50 (RAT) = 380 mg/kg Dermal LD50 (RABBIT) = 1,245 mg/kg Inhalation LC50 (RAT, 4 h) = 4000 ppm	Corrosive, Irritant, Mutagen, Nervous System, Some evidence of carcinogenicity

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Methylene chloride	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	Yes
Propylene oxide	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

Proper shipping name: Dichloromethane
Hazard class or division: 6.1
Identification number: UN 1593
Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name: Dichloromethane
Hazard class or division: 6.1
Identification number: UN 1593
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: DICHLOROMETHANE
Hazard class or division: 6.1
Identification number: UN 1593
Packing group: III

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 minimis

CERCLA/SARA Section 302 EHS: Propylene oxide (CAS# 75-56-9).
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA Section 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). Methylene chloride (CAS# 75-09-2). Propylene oxide (CAS# 75-56-9).
CERCLA Reportable quantity: Methylene chloride (CAS# 75-09-2) 1,000 lbs. (454 kg)
Propylene oxide (CAS# 75-56-9) 100 lbs. (45.4 kg)

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

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

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