Safety Data Sheet



Revision Number: 007.1

Issue date: 09/27/2017

1. PRODUCT AND COMPANY IDENTIFICATION

IDH number:

Product name:

Product type: Sealant Restriction of Use: Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067

LOCTITE SI 7657 FLANGE SEALANT known as Copper Hi-Temp Gasket Sealant None identified

Item number: 30535 Region: **United States** Contact information: Telephone: +1 (860) 571-5100 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

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2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW			
DANGER:	CONTENTS UNDER PRESSURE.		
	EXTREMELY FLAMMABLE AEROSOL.		
	CAUSES SKIN IRRITATION.		
	CAUSES SERIOUS EYE IRRITATION.		
	MAY CAUSE RESPIRATORY IRRITATION.		
	MAY CAUSE DROWSINESS OR DIZZINESS.		
	SUSPECTED OF CAUSING CANCER.		
	MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR		
	REPEATED EXPOSURE.		

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE AEROSOL.	1
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. Keep away from heat, sparks, open flames, hot surfaces - no smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe mist or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye and face protection.

IDH number: 234922

Response:	
	IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
Storage:	
	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal:	
	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*	
Ethyl acetate	141-78-6	30 - 40	
Methylene chloride	75-09-2	20 - 30	
Propane	74-98-6	10 - 20	
Butane	106-97-8	10 - 20	
Solvent naphtha (petroleum), light aliph., <0.1% benzene	64742-89-8	5 - 10	
Copper	7440-50-8	1 - 5	
Acetone	67-64-1	1 - 5	

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES		
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.	
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse.	
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.	
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.	
Symptoms:	See Section 11.	
5. FIRE FIGHTING MEASURES		
Extinguishing media:	Foam, dry chemical or carbon dioxide.	

Special firefighting procedures: Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards:

Contents under pressure. Do not handle or store near an open flame, heat or other sources of ignition. Exposure to temperatures above 49°C (120°F) may cause container to burst. Do not puncture or incinerate pressurized containers. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Hazardous combustion products:

Oxides of carbon. Hydrocarbons. Hydrogen chloride. Chlorine. Phosgene. Irritating vapors.

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:	Remove all sources of ignition. Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate personal protective equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a closed container until ready for disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.	
7.	HANDLING AND STORAGE	
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. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly	

use.

Storage:

after handling. Do not puncture or incinerate pressurized containers. Refer to Section 8. Do not store above 49 °C (120 °F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for

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
Ethyl acetate	400 ppm TWA	400 ppm (1,400 mg/m3) PEL	None	None
Methylene chloride	50 ppm TWA	12.5 ppm OSHA_ACT 25 ppm TWA 125 ppm STEL	None	None
Propane	Included in the regulation but with no data values. See regulation for further details (Simple asphyxiant.)	1,000 ppm (1,800 mg/m3) PEL	None	None
Butane	1,000 ppm STEL	None	None	None
Solvent naphtha (petroleum), light aliph., <0.1% benzene	None	100 ppm (400 mg/m3) PEL	None	None
Copper	0.2 mg/m3 TWA (as Cu) Fume. 1 mg/m3 TWA (as Cu) Dust and mist.	1 mg/m3 PEL (as Cu) Dust and mist. 0.1 mg/m3 PEL (as Cu) Fume.	None	None
Acetone	250 ppm TWA 500 ppm STEL	1,000 ppm (2,400 mg/m3) PEL	None	None

Engineering controls:

Respiratory protection:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Use a NIOSH approved air-purifying respirator with an organic vapor cartridge.

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

Skin protection:

Eye/face protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Color: Odor: Odor threshold: pH: . Vapor pressure: **Boiling point/range:** Melting point/ range: Specific gravity: Vapor density: Flash point: Flammable/Explosive limits - lower: Flammable/Explosive limits - upper: Autoignition temperature: Flammability: Evaporation rate: Solubility in water: Partition coefficient (n-octanol/water): VOC content:

Aerosol Golden, Copper Solvent Not available. Not available. Not available. > 38 °C (> 100.4 °F) Not available. 0.93 (concentrate) Not available. -104 °C (-155.2 °F) ; (value for propellant). Not available. Not available. Not available. Extremely flammable aerosol. Greater than butyl acetate. Insoluble Not available. 59.54 % EPA Method 24

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Viscosity: Decomposition temperature:	Not available. Not available.
	10. STABILITY AND REACTIVITY
Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	Oxides of carbon. Hydrogen chloride gas. Chlorine. Phosgene. Irritating vapors.
Incompatible materials:	Strong oxidizing agents. Strong alkalis. Reactive metals.
Reactivity:	Not available.
Conditions to avoid:	Do not puncture the container. Elevated temperatures. Heat, flames, sparks and other source of ignition. Store away from incompatible materials.
	11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:

Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation: May cause respiratory tract irritation. May cause dizziness, inco	oordination, headache, nausea,
and vomiting.	
Skin contact: Causes skin irritation.	
Eye contact: Causes serious eye irritation.	
Ingestion: May cause gastrointestinal tract irritation if swallowed.	

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Ethyl acetate	Oral LD50 (Rat) = 5.6 g/kg Oral LD50 (Mouse) = 0.44 g/kg	Blood, Central nervous system, Irritant
Methylene chloride	Oral LD50 (Rat) = 1,600 mg/kg Oral LD50 (Rat) = 3,000 mg/kg	Blood, Cardiac, Central nervous system, Corrosive, Irritant, Kidney, Liver, Some evidence of carcinogenicity
Propane	None	Cardiac, Central nervous system, Irritant
Butane	Inhalation LC50 (Rat, 4 h) = 658 mg/l	Cardiac, Central nervous system, Irritant
Solvent naphtha (petroleum), light aliph., <0.1% benzene	None	Irritant
Copper	None	Allergen, Blood, Central nervous system, Developmental, Gastrointestinal, Immune system, Irritant, Kidney, Liver, Mutagen, Sensory, Skin
Acetone	Oral LD50 (Mouse) = 5.2 g/kg Oral LD50 (Mouse) = 3,000 mg/kg Oral LD50 (Rabbit) = 5,340 mg/kg Oral LD50 (Rat) = 5,800 mg/kg Oral LD50 (Rat) = 9,800 mg/kg Dermal LD50 (Rabbit) = 20,000 mg/kg Inhalation LC50 (Rat, 4 h) = 76 mg/l	Central nervous system, Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl acetate	No	No	No
Methylene chloride	Reasonably Anticipated to be a Human Carcinogen.	Group 2A	Yes
Propane	No	No	No
Butane	No	No	No
Solvent naphtha (petroleum), light aliph., <0.1% benzene	No	No	No
Copper	No	No	No
Acetone	No	No	No

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. Not a RCRA hazardous waste.

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 (4	49 CFR)
Proper shipping name:	Aerosols
Hazard class or division:	2.1
Identification number:	UN 1950
Packing group:	None
DOT Hazardous Substance(s):	Dichloromethane, Ethyl acetate
International Air Transportation (ICAO/IATA)	
Proper shipping name:	Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Hazard class or division:	2.1 (6.1)
Identification number:	UN 1950
Packing group:	None
Water Transportation (IMO/IMDG)	
Proper shipping name:	AEROSOLS (Methylene chloride)
Hazard class or division:	2.1 (6.1)
Identification number:	UN 1950
Packing group:	None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: TSCA 12 (b) Export Notification:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. None above reporting de minimis
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	None above reporting de minimis. Immediate Health, Delayed Health, Fire, Sudden Release 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). Copper (CAS# 7440-50-8). Methylene chloride (CAS# 75-09-2).
CERCLA Reportable quantity:	Butane (ĆAS# 106-97-8) 100 lbs. (45.4 kg) Ethyl acetate (CAS# 141-78-6) 5,000 lbs. (2,270 kg) Propane (CAS# 74-98-6) 100 lbs. (45.4 kg) Methylene chloride (CAS# 75-09-2) 1,000 lbs. (454 kg)
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.
Canada Regulatory Information	
CEPA DSL/NDSL 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: 14

Prepared by: Product Safety and Regulatory Affairs

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