



Safety Data Sheet

Report Date 14-Apr-15

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1. Identification

Product Name : SILWET L-77
Synonyms : None
Product Use : Organosilicone Surfactant
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : No irritation on 5 of 6 at 7 days; desquamation on 1/6 at 14 days.
Eye Irritation : 21 days-minor corneal injury in 1 of 6; minor conjunctival redness in 2 of 6.
Acute Toxicity Oral : LD50 (rat) 2,330 mg/kg (combined male/female rate)
Acute Toxicity Dermal : LD50 (rabbit) 2,640 mg/kg (combined male/female rate)
Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation - 3
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Polyalkyleneoxide modified heptamethyltrisiloxane, allyloxypolyethyleneglycol methyl ether.	Proprietary	100.00

4. First Aid Measures

Eye : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.



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5. Fire Fighting Measures

- Extinguishing Media** : Use alcohol-type or universal-type foam for large fires. Use carbon dioxide or dry chemical extinguishing agents for small fires.
- Specific Hazards Arising from the Chemical** : Do not spray a solid stream of water or foam directly into a pool of hot, burning liquid. This may cause frothing and increase fire intensity.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or faceshield, impervious gloves, impervious apron and footwear. Eyewash and emergency shower should be available in work area. Respiratory protection not normally needed.
- Emergency Procedures** : Spill area will be quite slippery. Dike spill area to prevent spreading. Spill may be reportable under the Clean Water Act.
- Methods and Materials for Containment and Cleanup** : Use an oil absorbent material, such as clay, sand or sawdust. Collect and place in suitable containers for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Keep container tightly closed. Do not allow water to be introduced into the contents of this container.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Not available for mixture
- Appropriate Engineering Controls** : General (mechanical) room ventilation is expected to be satisfactory.
- Personal Protective Equipment** : Splashproof goggles or faceshield, impervious gloves, impervious apron and footwear. Eyewash and emergency shower should be available in work area. Respiratory protection not normally needed.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear, colorless liquid with polyether odor.
- Flash Point, °F** : 241 Degrees F.
- Boiling Point, °F** : >302 Degrees F.
- Melting Point(Freezing point), °C** : 30 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : <1 mmHg
- Vapor Density** : >1
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.005-1.015
- Evaporation Rate(Butyl Acetate = 1)** : <1
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable, no water content.
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : Not determined



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Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Burning can produce carbon oxides, oxides of silicon, formaldehyde.
Hazardous Polymerization : Will not occur
Conditions to Avoid : None known
Incompatible Materials : None known

11. Toxicological Information

Acute Toxicity (Oral LD50) : 2,330 mg/kg (rat) combined male/female rate. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : 2,640 mg/kg combined male/female rate. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : Substantially saturated vapor: no deaths in 6 hours, 5 male, 5 female. May be harmful if inhaled.
Likely Routes of Exposure : Eyes, skin, inhalation
Skin Irritation : No irritation on 5 of 6 at 7 days; desquamation on 1/6 at 14 days. Causes mild skin irritation.
Eye Irritation : 21 days-minor corneal injury in 1 of 6; minor conjunctival redness in 2 of 6. Causes serious eye irritation.
Skin Sensitization : Did not cause sensitization on laboratory animals (guinea pig).
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : Findings from a 14-day dietary feeding study with rats show that high dosage repeated ingestion causes reversible adverse effects on the male and female reproductive tracts.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : None currently known

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedure under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found



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Special Precautions for Transportation : No information found

Freight Classification : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: Y
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 13-April-2015