

SILWET L-77 SURFACTANT

MANUFACTURER

SETRE CHEMICAL COMPANY

6075 POPLAR, SUITE 500

MEMPHIS, TN 38119

PHONE: 901-761-0050

CHEMTREC: 1-800-424-9300

Effective: 01/23/96

I. IDENTIFICATION

Chemical Name: Organosilicone surfactants.

Chemical Family: Silicone-polyether copolymer.

Formula: Not applicable, formulated mixture.

Synonyms: None.

CAS Number: 27306-78-1

EPA Registry No.: 5905-50073AA (CA)

II. PHYSICAL DATA

Boiling Point: >150 degrees C.

Freezing Point: 30 degrees F.

Specific Gravity: 1.007 gms/cc.

Vapor Pressure: <1 mm Hg

Vapor Density: >1

Solubility in Water: Dispersible.

Per Cent Volatiles: Not determined.

Evaporation Rate: <1

Melting Point: Not applicable.

Appearance & Odor: Straw colored liquid, polyether odor.

III. INGREDIENTS

MATERIAL	%	TLV (UNITS)	HAZARD
Proprietary blend of polyalkyleneoxide modified heptamethyl-trisiloxane and allyloxy polyethylene glycol methyl ether	100.00	None established	Moderately toxic, severe eye, and mild skin irritant.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 240 degrees F (PMCC)

Autoignition Temperature: Not determined

Flammable Limits: Not determined

Extinguishing Media: Use alcohol-type or universal-type foams for large fires. Use carbon dioxide or dry chemical for small fires.

Special Fire Fighting Procedures: Wear a (positive pressure) self-contained breathing apparatus when fighting fires in an enclosed area.

Unusual Fire and Explosion Hazards: Don't spray a solid stream of water or foam directly into a pool of hot, burning liquid. This may cause frothing and increase fire intensity.

V. HEALTH HAZARD

Carcinogenicity Information: None currently known.

Acute Effects of Overexposure

Swallowing: Moderately toxic. May cause irritation of the mouth and throat, abdominal discomfort, nausea, vomiting, and diarrhea.

Skin Absorption: Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material.

Inhalation: Short-term adverse health effects are not expected from exposure to vapor generated at ambient temperature.

Skin Contact: Prolonged contact may cause local itching or discomfort, with redness and possibly slight swelling.

Eye Contact: Liquid splashed in eyes will cause minor corneal injury, iritis and moderate to severe conjunctival irritation.

Chronic Effects: Repeated ingestion may cause liver and thyroid injury. Repeated ingestion may cause injury to the male and female reproductive systems.

Other Health Hazards: Skin contact may aggravate an existing dermatitis. Prolonged exposure to vapor or aerosol may cause discomfort in the eyes with excess redness and swelling of the conjunctiva.

Emergency and First Aid Procedures

Swallowing: If patient is fully conscious, give two glasses of water. Induce vomiting. Obtain medical attention.

Skin: Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

Inhalation: Move person to fresh air. Consult a physician if irritation develops.

Eyes: Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention immediately.

Notes to Physician

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Moderate to severe eye irritant.

Liquid splashed into the eyes will cause moderate to severe discomfort and pain, with excess blinking and tear production. There will be excess redness and swelling of the conjunctiva, minor corneal injury, iritis and moderate to severe conjunctival irritation. These effects should resolve within 7 to 14 days.

VI. REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: None currently known.

Polymerization: Will not occur.

Conditions to Avoid: None currently known.

Incompatibility Materials: None currently known.

Hazardous Combustion: May produce oxides of carbon and oxides of silicon under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled

Clean up spills with an oil absorbent material, such as clay, sand, or sawdust. Spill area will be quite slippery. Place contaminated material in recovery/salvage drums for proper disposal.

Waste Disposal Method

This material must be disposed of according to federal, state, or local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: Use only NIOSH certified respiratory protection. Respiratory protection not needed unless product is heated or misted.

Ventilation: General (mechanical) room ventilation is expected to be satisfactory.

Gloves: Impervious

Eyes: Monogoggles

Others: Eye wash station, emergency shower, impervious footwear and apron.

IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Keep out of reach of children. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds. Product highly toxic to fish.

To promote safe handling, Helena Chemical Company urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with this product.

Other Precautions

A) RCRA Hazardous Waste Number: Not listed

B) SARA Title III, Section 313: <01.5% glycol ethers

C) SARA Threshold Planning Quantity: Not listed

D) CERCLA Reportable Quantity: Not listed

E) California Proposition 65: <1000 ppm, toluene

F) Title III, Clean Air Act: Yes, glycol ethers

X. SHIPPING INFORMATION

DOT Data—Proper Shipping Name: Not regulated by DOT, IATA, or IMDG.

Hazard Class: None

Identification No.: None

Labels Required: None

Placarding: None

Freight Classification: Adjuvant, Spreader or Sticker, Liquid, NOIBN

CHEMICAL NAME	EQUIVALENT R.Q.
Not applicable	Not applicable

XI. GENERAL PRODUCT INFORMATION