

SILWET L-77 - PRODUCT SAFETY DATA SHEET

1. Identification of the Substance/Preparation and Company

Product name: SILWET L-77 **Authorisation number under COPR:** ADJ0193

Supplier: De Sangosse Ltd, Swaffham Bulbeck, Cambridge CB5 OLU,UK

Telephone number: 01223 811215 (outside UK: + 44 1223 811215)

Fax number: 01223 810020 (outside UK + 44 1223 810020)

Emergency Telephone Number: Office hours 01223 811215, After Office hours: 01638 577581 or 01485 544230

2. Composition/Information on Ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Polyalkyleneoxide Modified Heptamethyltrisiloxane	80-90%	27306-78-1	-	R36-51/53	Xi, N

3. Hazards Identification

Harmful by inhalation. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Irritating to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. First Aid Measures

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

Inhalation: Remove to fresh air if aerosol spray is inhaled. If breathing is difficult, administer oxygen. Obtain medical attention immediately.

Skin contact: Wash skin with soap and water. Obtain medical attention if irritation persists.

Eye contact: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention immediately.

5. Fire Fighting Measures

Flash point: 116 °C

In case of fire extinguish with foam, carbon dioxide or dry agent

Decomposition products may include oxides of carbon and silicon

Wear Chemical Protection Suit and Breathing Apparatus

Portable containers should be moved if possible and without risk

6. Accidental Release Measures

Immediate Action: Use appropriate containment to avoid environmental contamination (S57)

Clean Up Actions: Wear suitable protective clothing, eye/ face protection and gloves (see Section 8).

Absorb small spillages in inert material and shovel up, place in plastic drums for safe disposal (see Section 13).

Dyke large spillages to prevent entry to sewer or waterway. Transfer liquid to a holding container.

Special Precautions: If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

7. Handling and Storage

Handling: Avoid contact with skin and eyes - Do not breathe vapours or spray - Wear suitable personal protection equipment as per Section 8 of this safety data sheet. - Wash thoroughly after use - No special precautions are required for this product if unopened packs are handled in store with care.

Storage: Store in a secure, dry, well ventilated facility - Protect from frost - Keep out of reach of children (S2) - Keep away from animal feeding stuffs

8. Exposure Controls/Personal Protection

Exposure controls - Engineering controls of operator exposure must be used where reasonably practicable in addition to the personal protective equipment described below - The undiluted product must not be used in a confined space without good ventilation

Occupational exposure controls - When handling the concentrated product, wear overalls, suitable gloves and face protection (faceshield). - Industrial heavy duty rubber gloves are recommended - The fit and type of the gloves must be comfortable to the operator and must not hamper the handling operations. - The gloves should be in good condition and washed inside and outside after use. - Ensure that the visor of the faceshield is down before opening the pack. - Keep the visor of the faceshield down whilst handling the product (especially during measuring and pouring). - Do not raise the visor of the faceshield with contaminated gloves.

9. Physical and Chemical Properties

Appearance:	straw coloured liquid
Odour:	moderate polyether
Boiling point:	>150 °C
Flash point:	116 °C
Specific gravity:	1.007 g/ml @ 25 °C
Water solubility:	dispersible
Vapour pressure:	<1.3 hPa @ 20 °C

10. Stability and Reactivity

Stable

Decomposition products may include oxides of carbon and silicon

11. Toxicological Information

Toxicological Information

Irritation to skin (rabbit) :	Not Irritant
Irritation to eyes (rabbit) :	Severe Irritation
LD50 (oral, rat)	>2000 mg/ kg
LD50 (skin, rat)	>2000 mg/ kg
sensitisation guinea pig	did not produce sensitisation

12. Ecological Information

Ecotoxicology

LC50 (zebra fish)	2.8 mg/l (96 hr)
EC50 (green algae)	5.5 mg/ l (96 hr)
NOEC (green algae)	1 mg/ l (96 hr)
EC50 (daphnia magna)	9.1 mg/l (48 hr)
MEC90 (spirillum voluntans)	>200 ul (120 min)
LC50 Earthworms (Eisenia foetida)	> 4.777 mg/ kg

Biodegradation

Not readily biodegradable

13. Disposal Considerations

Dispose of unwanted product at a licensed waste disposal site. - Packaging should be disposed of at an approved landfill site or by incineration. - Triple rinse containers prior to disposal. Do not re- use containers.

14. Transport Information

Not classified as hazardous for transport

15. Regulatory Information



Risk Phrases

R20 Harmful by inhalation

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R36 Irritating to eyes.

R51/53 Toxic to aquatic organisms, may cause long- term adverse effects in the aquatic environment

Safety Phrases

Keep out of reach of children (S2)

Do not breathe spray/mists (S23)

S25 Avoid contact with eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)

Do not empty into drains; dispose of this material and its container in a safe way (S29/35)

Wear suitable protective clothing, gloves and eye/ face protection (S36/37/39)

Use only in well ventilated areas (S51)

Avoid release to the environment. Refer to special instructions/ Safety data sheets (S61)

16. Other Information

This Safety Data Sheet is provided in compliance with: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP III). This Safety Data Sheet does not constitute a workplace risk assessment.

Revised Date: May 2005