



MATERIAL SAFETY DATA SHEET

Product Name: SEARLES LIQUID PENETRAIDE

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Issued: Jan 2006
MSDS No.: slsw02

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

1. IDENTIFICATION

Other Names: POLYOXYPROPYLENE POLYOXYETHYLENE ETHER
Product Code: 500SLSW, 1SLSW, 5SLSW.
UN Number: None allocated
Dangerous Goods Class: None allocated
Secondary Risk: None allocated
Hazchem Code: None allocated
Pack Group: None allocated
EPG: None allocated
Poisons Schedule: None allocated

Uses:

To allow water penetration for lawns, gardens, pot plants and hanging baskets. Can be applied by mixing with water as directed or through a click-on spray applicator.

1.1 PHYSICAL DESCRIPTION / PROPERTIES

Appearance: Clear to slightly hazy liquid with a mild odour.
Formula: $C_{12}H_{25}O(CH_2CH_2O)_6H$
Boiling Point: Not Available
Melting Point: 5-6°C
Vapour Pressure: Not Available
Specific Gravity: 0.92 g/cm³ (water = 1)
Flash Point (Test: Unknown): 160°C
Flammability Limits (as % volume in air): Not Available
Solubility in water : <0 g/L (25°C)

1.2 OTHER PROPERTIES

No data available.

1.3 INGREDIENTS

Chemical Entity	C.A.S. NO.	Proportion
Primary Alcohol Ethyloxylate	-	100%



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2. HEALTH HAZARD INFORMATION

2.1 HEALTH EFFECTS

ACUTE

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Swallowed: Harmful if swallowed.
Oral LD₅₀ = not available

Eye: May cause irritation.

Skin: May cause irritation.
Dermal LD₅₀ = not available.

Inhaled: Inhalation of the vapours (generated at elevated temperatures) or mists can cause irritation to the nose and throat.
Inhalation LC₅₀ = not available.

CHRONIC

No evidence of adverse health effects has been reported from chronic exposure to this product.

2.2 FIRST AID

Swallowed: DO NOT induce vomiting, give 1 – 3 glasses of water to drink and seek medical advice.

Eye: Hold eyes open and flush with plenty of water for 20 minutes. In all cases of eye contamination it is a sensible precaution to seek medical attention.

Skin: Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists seek medical advice.

Inhaled: Remove affected person from contaminated area and seek medical advice. If not breathing, apply artificial respiration and seek urgent medical advice.

2.3 FIRST AID FACILITIES

Ensure an eye bath and safety shower is available and ready for use.

2.4 ADVICE TO DOCTOR

Treat Symptomatically based on judgement of doctor and individual reactions of patient.

2.5 TOXICITY DATA

No toxicology data available.



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3. PRECAUTIONS FOR USE

3.1 EXPOSURE STANDARDS

The National Occupational Health and Safety Commission (NOHSC) (Worksafe Australia) have established no exposure standards for this product. Where no specific exposure standard has been assigned, the recommended exposure standard for dust in general shall be $10\text{mg}/\text{m}^3$ measured as inspirable dust. The exposure limit is expressed as a time-weighted average (TWA) concentration over an 8-hour working shift, for a 5-day working week, and is the recommended exposure standard of Worksafe Australia.

3.2 ENGINEERING CONTROLS

All work with this product should be carried out in such a way as to avoid skin contact and minimise exposure. Special ventilation is not normally required due to the low volatility of the product.

3.3 PERSONAL PROTECTION

General Hygiene: When using do not eat, drink or smoke. Wash hands thoroughly before smoking, eating or using toilet facilities.

Respiratory: Not normally required.

Eyes: Chemical goggles or full-face shield with forehead protection.

Hands: Nitrile rubber gauntlet type gloves.

Feet: Chemical resistant safety shoes or boots.

Skin: Standard issue work clothes. If there is a risk from splashing during normal use, wear a disposable-coated overall with integral hood. If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse.

3.4 FLAMMABILITY

Combustible liquid, will not burn unless preheated.



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4. SAFE HANDLING INFORMATION

4.1 STORAGE / TRANSPORT

Classified as a Class C2 (COMBUSTIBLE LIQUID) for storage and handling purposes.
Store in a well-ventilated place away from ignition sources, oxidising agents (Class 5.1), foodstuffs and clothing.

Keep containers closed when not in use.

4.2 PACKAGING AND LABELING

Correct Shipping Name: POLYOXYPROPYLENE POLYOXYETHYLENE ETHER

UN Number: None Allocated

Dangerous Goods Class: None Allocated

Secondary Risk: None Allocated

Hazchem Code: None Allocated

Pack Group: None Allocated

EPG: None Allocated

Poisons Schedule: None Allocated

Worksafe Risk and Safety Phrases

Hazard: IRRITANT

R36/38: Irritating to eyes and skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S37/39: Wear suitable gloves and eye/face protection.

4.2 SPILLS AND DISPOSAL

Spills: Wear full protective clothing. If there is an inhalation risk, wear self-contained breathing apparatus. Prevent discharge to water, soil and air. Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill with sand or earth and take up with a vacuum truck or absorb with absorbent material. Place used absorbent in suitable sealed containers and hold for waste disposal. Clean area with detergent and water. DO NOT allow product to enter drains, sewers or watercourses.

Disposal: Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal facility.

4.3 FIRE AND EXPLOSION HAZARD

Fire / Explosion: Combustible. Combustion products include oxides of carbon.

Extinguishing Media: Keep storage tanks, pipelines, fire-exposed surfaces etc. cool with water spray.

Use foam, carbon dioxide or powder type extinguishers.

Use equipment/media appropriate to surrounding fire conditions.



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5. OTHER INFORMATION

5.1 SPECIAL PRECAUTIONS

No data available.

5.2 CONTACT POINTS

ORGANIZATION	LOCATION	TELEPHONE	ASK FOR
J.C. & A.T. Searle Pty Ltd Poisons Information Centre	Kilcoy Brisbane QLD	(07) 5497 2022 13 11 26	Technical Officer

5.3 DISCLAIMER

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