

QED Bioscience Inc.
Surf's Up® Surfactant Kit
Surfactant No. 13 Silwet® L-7600

NOTE: Chemicals in the Surf's Up® Surfactant Kit are provided as 10% solutions. The following information pertains to the chemicals in an undissolved/undiluted state.

1. PRODUCT

Trade Name **Silwet® L-7600**
Product Name Polyalkyleneoxide modified polydimethylsiloxane

2. COMPOSITION

Ingredient Name	CAS Number
Polyalkyleneoxide modified polydimethylsiloxane	68938-54-5
Polyalkylene oxide	27252-80-8

3. HAZARDS IDENTIFICATION

Emergency Overview: Caution! Combustible. May cause irritation to eyes, skin, respiratory and digestive systems.

HAZARD RATINGS	HMIS	NFPA
Health	0	0
Flammability	2	2
Reactivity	0	0

4. FIRST AID MEASURES

Eyes Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention.

Skin Immediately flush skin with large amounts of soap and water. If irritation persists, seek medical attention.

Inhalation Move victim to fresh air. If symptoms persist, seek medical attention.

Ingestion Never give anything by mouth to an unconscious person. Seek medical attention if necessary.

5. FIRE FIGHTING MEASURES

Flash Point 74°C (165°F)

Extinguishing Media Alcohol-resistant foam, carbon dioxide, dry chemical.

Fire Fighting Equipment/Instructions Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal protection

Wear impervious clothing and gloves.

Environmental precautions

Do not let product enter drains.

Clean-up and disposal

Cover with absorbent and contain. Collect for disposal. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material

Contaminated packaging

Dispose of as unused product.

7. HANDLING AND STORAGE

Handling Procedures Avoid contact with skin, eyes and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling or after exposure. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Procedures Keep away from heat and flame. Store in tightly-sealed container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No exposure limits have been established.

Engineering Controls Use local exhaust ventilation.

Personal Protective Equipment Wear chemical goggles and face shield if splashing is possible. Wear suitable protective clothing. Use impervious gloves. If vapors are present or irritation is experienced, NIOSH-approved respiratory protection should be worn. Eye wash fountain and emergency showers are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Amber

Flash Point	74°C (165°F) Method: closed cup
Specific Gravity	1.06 at 25°C
Percent Volatiles	No data available
Vapor Pressure	<1.33 hPa (1.00mm Hg) at 20°C
Vapor Density	Heavier than air
Evaporation Rate	<1
pH	No data available
Freezing Point	No data available
Boiling Point	>150°C at STP
Melting Point	-1°C at STP
Solubility	Soluble in water
Molecular weight	Copolymer

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal storage conditions.

Incompatibility None currently known.

Hazardous Decomposition Burning can produce oxides of carbon, oxides of silicon.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

May cause irritation to skin, eyes, respiratory and digestive systems. Avoid inhalation of mist, vapor, and any oxidation or decomposition products generated at 160°C or higher.

Acute toxicity

LD50 – rats - >2,000mg/kg

Mutagenicity

This material is not mutagenic in an Ames bacterial assay.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available

13. **DISPOSAL CONSIDERATIONS**

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Compliance with applicable laws is the responsibility of the user.

14. **TRANSPORT INFORMATION**

DOT (US)

Not regulated by ground or rail if shipped or transported in containers less than 450 liters.

Proper shipping name: Combustible liquid, N.O.S. (Polyalkyleneoxidemethylsiloxane copolymer)

Class: Combustible liquid

UN ID# NA1993

Packing group: III

Freight description road: Oil, O/T petroleum, lubricating, NOIBN

IMDG

This product is not regulated by IMDG

ICAO

This product is not regulated by ICAO

15. **REGULATORY INFORMATION**

OSHA Hazards

No known OSHA hazards.

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire hazard

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right to Know Components

Polyalkyleneoxide modified polydimethylsiloxane CAS No. 68938-54-5

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California Prop. 65 Components

This product contains no levels of listed substances which the State of California has found to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. QED Bioscience Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.