

Polyether-Modified Trisiloxane Surfactant (Silicone Super-Wetter)

Safety Data Sheet · complies with OSHA HazCom 2012 (29 CFR 1910.1200) / GHS · CAS 67674-67-3

§1 IDENTIFICATION

Product Name	Polyether-Modified Trisiloxane Surfactant (Silicone Super-Wetter)
Common Name	Trisiloxane super-wetter; polyether-modified trisiloxane; ethoxylated trisiloxane surfactant
Recommended Use	Agricultural adjuvant (super-spreader / wetting agent); industrial surfactant
Restrictions on Use	Industrial and professional use only
Manufacturer / Supplier	
Company	RawSource Inc.
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Emergency Telephone	+1 (754) 306-4363 (business hours) — for a chemical emergency also contact your national poison / emergency service

§2 HAZARD(S) IDENTIFICATION

GHS Hazard Classification	Serious Eye Damage/Eye Irritation Category 1; Acute Toxicity (Oral) Category 4; Acute Toxicity (Dermal) Category 5; Skin Corrosion/Irritation Category 3
Signal Word	Danger
Pictogram(s)	Corrosion (eye damage); Exclamation mark

Hazard statement(s)

H302 : Harmful if swallowed.
 H313 : May be harmful in contact with skin.
 H316 : Causes mild skin irritation.
 H318 : Causes serious eye damage.

Precautionary statement(s)

P264 : Wash all exposed external body areas thoroughly after handling.
 P270 : Do not eat, drink or smoke when using this product.
 P280 : Wear protective gloves / protective clothing / eye protection / face protection.
 P301 + P312 : IF SWALLOWED — Call a POISON CENTER or doctor if you feel unwell.
 P305 + P351 + P338 : IF IN EYES — Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.
 P310 : Immediately call a POISON CENTER or doctor.
 P330 : Rinse mouth.
 P332 + P313 : If skin irritation occurs — get medical advice / attention.
 P501 : Dispose of contents / container to an authorised hazardous or special-waste collection point in accordance with local regulations.

Other Hazards

Some nonionic surfactants may produce a localised anaesthetic effect on the cornea, which may mask the warning discomfort of exposure. Repeated exposure may cause skin dryness and cracking; possible skin sensitizer.

§3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance Name	Propylheptamethyltrisiloxane, ethoxylated
CAS No.	67674-67-3
Concentration	80-100 wt%
Secondary Constituent	Allyl alcohol, ethoxylated (CAS 27274-31-3), 0-20 wt%

§4 FIRST-AID MEASURES

If inhaled

If mist or aerosol is inhaled, remove from the contaminated area. Keep the patient comfortable for breathing and seek medical attention if symptoms occur.

In case of skin contact

Remove contaminated clothing and flush skin with running water and soap. If skin irritation occurs, get medical advice or attention.

In case of eye contact

Immediately rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, then continue rinsing. Immediately call a POISON CENTER or doctor — this product causes serious eye damage.

If swallowed

Rinse mouth. Call a POISON CENTER or doctor if you feel unwell. Do not induce vomiting unless directed by medical personnel.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

§5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam; dry chemical powder; carbon dioxide; water spray or fog

Unsuitable Extinguishing Media

Avoid water jets onto liquid pools

Specific hazards arising from the chemical

Combustible. On combustion the product may emit carbon oxides, silicon dioxide and other pyrolysis products typical of burning organic material.

Special protective equipment and precautions for firefighters

Wear full body protective clothing with self-contained breathing apparatus. Cool fire-exposed containers with water spray from a protected location. Prevent fire-control run-off from entering drains or water courses.

§6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance by using protective equipment.

Environmental precautions

Prevent, by any means available, spillage from entering drains or water courses. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Minor spills: contain and absorb small quantities with vermiculite or other inert absorbent material; wipe up and collect residues in a suitable labelled container. Silicone fluids, even in small quantities, may present a slip hazard. Major spills: clear the area, rope off if necessary, absorb with a suitable absorbent as soon as practically possible and collect for disposal; final cleaning may require use of steam, solvents or detergents.

§7 HANDLING AND STORAGE

Precautions for safe handling

Avoid all personal contact, especially eye contact. Do not eat, drink or smoke when using this product. Use in a well-ventilated area, wash exposed areas thoroughly after handling, and keep containers securely sealed when not in use.

Conditions for safe storage, including incompatibilities

Store in original containers in a cool, dry, well-ventilated area away from incompatible materials and foodstuff containers. Check containers regularly for leaks. Avoid reaction with oxidising agents.

§8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

No occupational exposure limits established for the constituents.

Appropriate engineering controls

General exhaust is adequate under normal operating conditions; local exhaust ventilation may be required in special circumstances. Provide eyewash facilities in the work area.

Eye/Face Protection

Chemical goggles and face shield (product causes serious eye damage)

Hand Protection

Chemical protective gloves

Skin/Body Protection

Overalls and apron; safety footwear

Respiratory Protection

Approved respirator if a risk of overexposure exists

§9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Yellow
Odour	No data available
pH	Not applicable
Flash Point	> 100 degrees C
Relative Density (water = 1)	1.02
Viscosity	30–50 cSt
Solubility	Miscible with water

§10 STABILITY AND REACTIVITY

Reactivity	See conditions to avoid and incompatible materials
Chemical Stability	Product is considered stable. Hazardous polymerisation will not occur.
Possibility of Hazardous Reactions	Hazardous polymerisation will not occur
Conditions to Avoid	Heat, open flames and other ignition sources
Incompatible Materials	Oxidising agents

Hazardous decomposition products

Combustion may yield carbon oxides, silicon dioxide and other pyrolysis products typical of burning organic material.

§11 TOXICOLOGICAL INFORMATION

Acute Toxicity (oral)	Classified Acute Toxicity Category 4 - harmful if swallowed
Acute Toxicity (dermal)	Classified Acute Toxicity Category 5
Skin Corrosion / Irritation	Classified Skin Corrosion/Irritation Category 3 (mild skin irritation); possible skin sensitizer
Serious Eye Damage / Irritation	Classified Serious Eye Damage Category 1 (causes serious eye damage)
Carcinogenicity	No data available

§12 ECOLOGICAL INFORMATION

Constituents are listed on the China Inventory of Existing Chemical Substances. No quantitative ecotoxicity data provided; classified as an environmentally hazardous substance for transport (see Section 14). Avoid release to the environment.

§13 DISPOSAL CONSIDERATIONS

Recycle wherever possible. Consult a licensed waste-management authority for disposal if no suitable treatment or disposal facility can be identified. Dispose of by burial in a land-fill licensed to accept chemical wastes, or by incineration in a licensed apparatus (after admixture with suitable combustible material).

Do not allow wash water from cleaning or process equipment to enter drains; it may be necessary to collect all wash water for treatment before disposal. Disposal to sewer may be subject to local laws and regulations, which should be considered first. Decontaminate empty containers before disposal.

§14 TRANSPORT INFORMATION

UN Number	3082
UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport Hazard Class	9
Packing Group	III
Marine Pollutant	No

§15 REGULATORY INFORMATION

Inventory Status	Propylheptamethyltrisiloxane ethoxylated and allyl alcohol ethoxylated are listed on the China Inventory of Existing Chemical Substances.
United States TSCA Inventory	All components of this product are in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

§16 OTHER INFORMATION

Prepared and issued by RawSource Inc. This SDS supersedes any prior version for this material. It relates only to the specific material identified above.

This Safety Data Sheet is provided in good faith and is correct to the best of RawSource's knowledge at the date of publication. It is a guidance for safe handling, use, processing, storage, transport, disposal and release, and is not a warranty or quality specification. It relates only to the specific material identified above. Users must determine the conditions of safe use in their own context.