

Material Safety Data Sheet

Sodium Lauryl Ether Sulfate

Section 1: Chemical Product and Company Identification

Product Name: Sodium Lauryl Ether Sulfate 70

Commodity details:

Chemical Name: Sodium Lauryl Ether Sulfate

Customs HS Code No: 3402390000

Synonym Name: Sodium Alkyl Ethoxy Sulphate,
Sodium C10-16 Alkyl Ethoxy Sulphate
(Predominantly C12-C14)

Chemical Formula: $\text{CH}_3-(\text{CH}_2)_n-(\text{O}-\text{CH}_2-\text{CH}_2)_p$
-OSO₃Na n=9-15, p=2

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS No.	EINECS No.	%by weight
Sodium Lauryl Ether Sulfate	68585-34-2	no longer polymer	70

Section 3: Hazards Identification

May cause some irritation to the mouth and upper digestive tract.

May cause significant skin irritation especially if exposure is prolonged and/or repeated.

Contact with eyes can cause severe irritation. If not washed out promptly, will injure the tissue, and permanent damage may result.

Section 4: First Aid Measures

Wash out mouth with water. Do not induce vomiting. Seek medical advice.

Wash the skin with soap and water. Seek medical attention if skin appears damaged.

Immediately wash out the eye with plenty of water for at least 15 minutes holding the eye open.

Seek medical attention urgently.

Section 5: Fire and Explosion Data

Fumes containing carbon dioxide, carbon monoxide and sulphur dioxide may be formed in large fire.

Use power, foam, sand, water spray.

Avoid using large quantities of water.

In case of fire, self-contained breathing apparatus should be worn.

Section 6: Accidental Release Measures

Contain and collect spillage.

Absorb on to sand / kieselguhr.

Failure to contain release must be reported to the local authority and medical should be notified.

May make floor very slippery.

Wear impervious gloves/overalls and eye protection while clearing up the spillage.

Do not wash into the drains.

Place in plastic barrels for disposal.

Do not mix with other waster materials.

Dispose of in accordance with Federal State and local authority regulations.

Seek advice from the local waste authority or contact medical for guidance.

Section 7: Handling and Storage

Store in plastic, plastic lined or stainless steel, tight closed containers at between 5 and 40 degrees Centigrade. Do not store close to strong oxidizing agents which could aggravate any fire situation.

Section 8: Exposure Controls/Personal Protection

Avoid contact with eyes, skin or clothes.

Working procedures should be designed to minimize worker exposure to this product. When this is not possible, the following personal protective equipment should be provided.

Skin protection: Protective overalls and shoes/boots recommended

Hand protection: Impervious gloves recommended.

Eye protection: Safety face shield must be worn.

Respiratory protection:

All personal protective equipment must comply with the appropriate EEC (CE) standards and should be maintained and stored to ensure continued suitability for use. Where necessary workers should be trained in the effective use of the personal protective equipment provided.

No exposure standards have been set for the substances present in this product.

Section 9: Physical and Chemical Properties

Appearance:	viscous liquid	pale straw	
Odour:	characteristic		Set point (°C): ca. 7
Melting Point / Melting Range:	10-15°C		
Boiling Point / Boiling Range:	X		
Relative Density (20°C):	ca. 1.1		
Viscosity (25°C):	ca. 25000 m Pa.s.	Brookfield RVT Spindle 4.R.P.M 100	
Water Solubility (20°C):	ca. 450 g/l		
Solubility in lower alcohols:	fully miscible	@20°C	
pH (20°C) (100 g/l):	ca. 7.5		
Flash Point (°C):	X		

“X”=Not Applicable

Section 10: Stability and Reactivity Data

If the pH falls an exothermic reaction may occur releasing sulphuric acid.

May react with strong oxidants.

Decomposition

May start to hydrolyse >50 degC.

Section 11: Toxicological Information

LD50(oral rat) >2000mg/Kg

Not classified as “Harmful if swallowed”. May cause some irritation of the mouth and upper digestive tract.

May produce significant skin irritation after prolonged contact.

May cause severe, possibly permanent eye damage.

Section 12: Ecological Information

Ecotoxicity: The product is toxic to aquatic organisms.

Ecological Overview: Not expected to cause significant environment impact.

Mobility: The product will dissolve in water.

Persistence / Degradability: This product is readily biodegradable with respect to EC criteria.

Bio-accumulation: Product is surface active, Log Pow inappropriate.

Do not release into surface waters.

Section 13: Disposal Considerations

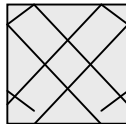
When disposing of waste or surplus material avoid contact with the eye and skin. Impervious gloves/over all and a face shield must be worn.
Do not wash into the drains.
Do not mix with other waste materials.
Dispose of in accordance with Federal State and local authority regulations.
Seek advice from the local waste authority or contact medical for guidance.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).
Identification: Not applicable.
Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

This preparation is classified according to the criteria laid down in the EEC Directives on the Control of Dangerous Substances and Preparations.



Irritant

R41: Risk of serious damage to eyes.

R38: Irritating to skin.

S26: In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice.

S39: Wear eye / face protection.

This product is classified on the basis of information compiled by CESIO on the toxicological properties of surfactants.

No exposure standards have been set for the substances present in this product.

Wassergefährdungsklasse (WGK): 2

Section 16: Other Information

A16.21 INVENTORY NAME(S): Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts (TSCA, DSL, AICS)
Sodium Laureth Sulphate (INCI) CAS / 68585-34-2 or 9004-82-8 or 3088-31-1

Uses and Restrictions-The uses of this product include the following: Surfactants. Cleaning. Washing agents. Toiletries.
Dispersion agents. Foaming agents. Wetting agents.

MSDS Creation Date: 6/16/2025

Revision #4 Date: 3/15/2026

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