

MATERIAL SAFETY DATA SHEET (MSDS)

SLES – SODIUM LAURYL ETHER SULPHATE

1. Product Identification

Synonyms: Sodium Lauryl Ether Sulphate

CAS No.: 68891-38-3

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2. Composition / Information On Ingredients

Ingredient	CAS No.	Concentration
Sodium lauryl ether sulphate	68891-38-3	70±2 %
Water	7732-18-5	27 - 32 %

R 38: Irritating to skin.
R 41: Risk of serious damage to eyes.

3. Hazardous Identification

May cause irritation to the mouth & 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.

4. First Aid measures

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

Skin: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eyes: Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for atleast 15 minutes. Get medical attention.

5. Fire Fighting Measures

Extinguishing media:

Fire can be extinguished using water spray, alcohol foam, dry chemical or carbon dioxide. Avoid using large quantities of water.

Hazardous combustion products:

None.

Protective measures in fire:

Cool down the packing. In case of fire, wear self-contained breathing apparatus.

6. Accidental Release Measures

General information: Use proper personal protective equipment as indicated in section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the protective equipment section.

7. Handling And Storage

Handling containers: Use full protective gear. Protect containers against physical damage/direct sunlight/water.

Storage precautions:

Store in plastic, plastic lined or stainless steel, tight closed containers at ambient temperature (<35°C) away from direct sunlight & also maintaining the pH >6.0 at all times. A slight pH drop is expected during prolonged storage. Avoid freezing and excessive heating.

DO NOT USE MILD STEEL TANKS OR TRANSFER LINES FOR THIS PRODUCT.

8. Exposure Controls / Personal Protection

Engineering controls: Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower. Use adequate ventilation to keep the airborne concentrations low.

Personal protective equipment:

Skin: Rubber gloves

Respiration: Air respirator

Eyes: Goggles

Feet: Safety shoes

Body: Lab coat

Hygienic precautions: Remove contaminated clothing & wash hands between breaks & at the end of duty hours.

9. Physical And Chemical Properties

Appearance: Colorless to pale yellow translucent paste

Moisture & volatiles %: 27 – %32

Density at 25°C: Min. 1.05 gm/cm³

Boiling point: Not available

Freezing/Melting point: 5 – 10°C

Solubility in water (20°C): Soluble

Auto ignition temperature: Not available

Flash point: Not available

10. Stability And Reactivity

Chemical stability: Product is very stable under the prescribed storage conditions.

Incompatibility with other substances: Do not subject to acidic pH. Avoid contact with strong acids & oxidizing substances.

Reactivity and under what conditions: Reaction with acids and elevated temperatures

Hazardous decomposition: On combustion it will yield oxides of carbon and sulphur.

11. Toxicological Information

Toxicity: Non toxic

Skin contact: Moderate

Inhalation acute: None

Skin absorption: Slight

Inhalation chronic: None

Eye contact: Moderate

Ingestion: Mouse LD₅₀ > 2 g/kg

Effect of acute & chronic exposure to material: The extensive use of Sodium lauryl ether sulphate in industry has not been accompanied by any reports of injury.

Irritancy of material: Moderate

Carcinogenicity, reproductive effects, terratogenicity, mutagenicity: None reported

12. Ecological Information

The product should not get into waters without treatment. Dissolved in water the material is readily biodegradable (>96%) and will not cause any disturbance in the waste water treatment plants.

13. Disposal Considerations

Leak and spill procedures:

Being a paste it can be collected, swept up and stored in closed containers.

Disposal:

Any unrecoverable/recyclable materials should be disposed off in accordance with federal, state and local authority regulations.

14. Transport Information

IATA:

Not regulated as a hazardous material.

IMO:

Not regulated as a hazardous material.

RID/ADR:

Not regulated as a hazardous material.

Not classified as hazardous for transport. However one should observe the usual precautionary measures for transporting chemicals.

15. Regulatory Information

According to the data available the product is not a regulated product. However one should observe the prescribed federal, state & local measures for dealing with chemicals.

Hazard symbols: Xi

Risk Phrases:

R 38: Irritating to skin.

R 41: Risk of serious damage to eyes.

Safety Advices:

S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical Help

S 39 – Wear eye/face protection.

16. Other Information

Disclaimer:

The information contained in this MSDS sheet is based on the available knowledge at the time of compilation. Union Chemicals Factory provides the information contained herein in good faith and this document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

The data provided herein do not constitute specifications of quality. This MSDS cancels and replaces any preceding release.