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## MATERIAL SAFETY DATA SHEET (MSDS)

### SODIUM LAURYL ETHER SULPHATE LR (SLES)

#### 1. Chemical Product and Company Identification

Sodium Laureth Sulfate  
 Common Name/  
 Trade Name

Cas No: 9004-82-4

Product Coad: SS0190825000

Sodium Laureth Sulfate

#### 2. Hazards Identification

Potential Acute Health Effects Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Potential Chronic Health CARCINOGENIC EFFECTS: Not available.

Effects MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

#### 3. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient.

Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation Not available.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion Not available.

#### 4. Fire and Explosion Data

Flammability of the Product May be combustible at high temperature.

Auto-Ignition Temperature Not available.

Flash Points CLOSED CUP: 94°C (201.2°F). OPEN CUP: >100°C (212° F) (Cleveland.).

Flammable Limits Not available.

Products of Combustion Not available.

Fire Hazards in Presence of Slightly flammable to flammable in presence of heat.

Various Substances Non-flammable in presence of open flames and sparks, of shocks, of oxidizing materials, of reducing materials, of combustible materials, of organic materials, of metals, of acids, of alkalis.

Because of the large amount of water contained in the product, the product might be combustible only after partial or complete evaporation.

Explosion Hazards in Presence Non-explosive in presence of open flames and sparks, of shocks.

of Various Substances

Fire Fighting Media SMALL FIRE: Use DRY chemical powder.

and Instructions LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Not available.

Fire Hazards Special Remarks on Explosion Not available.

Hazards

Sodium Laureth Sulfate

#### 5. Accidental Release Measures

Small Spill Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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#### 6. Handling and Storage

**Precautions** Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Keep container tightly closed. Keep container in a cool, well-ventilated area.

**Storage**

#### 7. Exposure Controls/Personal Protection

**Engineering Controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection** Splash goggles. Lab coat. Gloves. Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

**Personal Protection in Case of Spill** goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits** Not available.

#### 8. Physical and Chemical Properties

**Physical state and appearance** Liquid. **Odor** Not available.

**Taste** Not available.

**Molecular Weight** Not applicable.

**Colorless to light yellow.** Clear

**Color**

**pH (1% soln/water)** Not available

**Boiling Point** 100°C (212°F)

**Not available.**

**Melting Point**

**Critical Temperature** Not available.

**1.03 (Water = 1)**

**Specific Gravity**

**Vapor Pressure** The highest known value is 2.3 kPa (@ 20°C) (Water) .

**Vapor Density** The highest known value is 0.62 (Air = 1) (Water).

**Volatility** Not available.

**Odor Threshold** Not available.

**Not available.**

**Water/Oil Dist. Coeff.**

**Ionicity (in Water)** Not available.

**Dispersion Properties** See solubility in water.

**Solubility** Soluble in cold water.

**Soluble in alcohol and glycols**

**Sodium Laureth Sulfate**

#### 9. Stability and Reactivity Data

The product is stable.

**Stability**

**Instability Temperature** Not available.

**Conditions of Instability** Excess heat, incompatible materials

**Incompatibility with various substances** Reactive with oxidizing agents.

**Not available**

**Corrosivity**

**Special Remarks on** Not available.

**Reactivity** Not available.

**Special Remarks on Corrosivity**

**Polymerization** Will not occur.

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#### 10. Toxicological Information

Routes of Entry Absorbed through skin. Eye contact. Ingestion.  
 Toxicity to Animals Acute oral toxicity (LD50): 4848 - 5000 mg/kg (Rat) (Calculated value for the mixture). Chronic Effects on Humans Not available.  
 Other Toxic Effects on Humans Hazardous in case of skin contact (irritant), pf eye contact (irritant).  
 Special Remarks on Toxicity to Animals Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.  
 Special Remarks on This product contains <0.1% Formaldehyde which can cause cancer.  
 Chronic Effects on Humans This product contains trace amounts of 1,4-Dioxane and Ethylene Oxide which can cause cancer.  
 This product may contain trace amounts of Ethylene oxide which may cause adverse reproductive effects and birth defects.  
 Special Remarks on other Acute Potential Health Effects:  
 Toxic Effects on Humans Skin: Causes skin irritation. It may be absorbed through the skin.  
 Eyes: Causes eye irritation.  
 Inhalation: Inhalation of mist or vapors may cause respiratory tract irritation.  
 Ingestion: Low hazard. May cause digestive/gastrointestinal tract irritation.

#### 11. Ecological Information

Ecotoxicity Not available.  
 BOD5 and COD Not available.  
 Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
 Toxicity of the Products Not available. of Biodegradation  
 Special Remarks on the Not available.  
 Products of Biodegradation Sodium Laureth Sulfate

#### 12. Disposal Considerations

Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### 13. Transport Information

Not Regulated

#### 14. Other Regulatory Information and Pictograms

California prop. 65: This product contains the following ingredients for which the State of California has found Federal and State to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Regulations  
 Formaldehyde, 1,4-dioxane, Ethylene oxide  
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Ethylene oxide  
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Formaldehyde, 1,4-dioxane, Ethylene oxide  
 TSCA 8(b) inventory: Water; Sodium Lauryl Ether Sulfate  
 California California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Formaldehyde, 1,4-dioxane,  
 Proposition 65  
 Ethylene oxide  
 Warnings  
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.  
 Other Regulations For CAS no. 9004-82-4:  
 EINECS: This product is not on the European Inventory of Existing Commercial Chemical Substances.  
 Canada: Listed on Canadian Domestic Substance List (DSL).  
 China: Listed on National Inventory.  
 Japan: Listed on National Inventory (ENCS).  
 Korea: Listed on National Inventory (KECI).  
 Philippines: Listed on National Inventory (PICCS).  
 Australia: Listed on AICS.  
 WHMIS (Canada) CLASS D-2B: Material causing other toxic effects (TOXIC).  
 Other Classifications  
 DSCL (EEC) R36/38- Irritating to eyes and skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37- Wear suitable protective clothing and gloves.

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Health Hazard  
HMIS (U.S.A.) 2 National Fire Protection  
0 Flammability  
0 Association (U.S.A.)  
Fire Hazard  
2 0 Reactivity Health Reactivity  
0  
Specific hazard  
Personal Protection j  
WHMIS (Canada)  
(Pictograms)  
Sodium Laureth Sulfate DSEL (Europe)  
(Pictograms) TDG (Canada)  
(Pictograms) ADR (Europe)  
(Pictograms)  
Protective Equipment Gloves. Lab coat. Wear appropriate respirator when ventilation is inadequate.

**15. Other Information**

**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**