Section 1. Product and Company Identification

Product Name Sodium Lauryl Sulfoacetate
CAS Number 1847-58-1

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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Physical hazards: Not classified.
Health hazards: Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2B
Environmental hazards: Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, long-term hazard Category 3
OSHA defined hazards Combustible dust Classified

GHS Label Elements

Pictograms:

Signal word: WARNING

Hazard and precautionary statements
Hazard statement: Causes skin irritation. Causes eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. May form combustible dust concentrations in air.
Prevention: Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves. Prevent dust accumulation to minimize explosion hazard.
Response: If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Store away from incompatible materials.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: Product may form explosive dust/air mixtures if high concentration of product dust is suspended in air.

Section 3. Composition / Information on Ingredients

Common Name Sodium Lauryl Sulfoacetate
CAS Number 1847-58-1

COMPONENT	CAS NUMBER	CONCENTRATION
Sodium Lauryl Sulfoacetate	1847-58-1	64 - 85%
Sodium chloride	7647-14-5	10 - 18%
Sodium sulfate	7757-82-6	5 - 18%

Section 4. First Aid Measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye contact: Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion: Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed: Dusts may irritate the respiratory tract, skin and eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5. Firefighting Measures

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2). Apply extinguishing media carefully to avoid creating airborne dust.
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Class II Dust for National Electric Code (NFPA 70) During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards: May form combustible dust concentrations in air.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Large Spills: Collect spillage. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation. Large Spills: Wet down with water and dike for later disposal. Prevent product from entering drains. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions: Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7. Handling and Storage

Precautions for safe handling: Eliminate all sources of ignition. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654). Avoid contact with skin. Avoid contact with eyes.

Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities: Keep away from heat, sparks and open flame. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Section 8. Exposure Controls / Personal Protection

Occupational exposure limits: No exposure limits noted for ingredient(s).

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Hand protection: Wear appropriate chemical resistant gloves.

Skin protection: Wear appropriate chemical resistant clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9. Physical and Chemical Properties

Appearance: Powder.

Physical state: Solid.

Form: Class II Dust for National Electric Code (NFPA 70)

Color: White.

Odor: Not available.

Odor threshold: Not available.

pH: 6.3000 (5% Aqueous)

Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not available.
Flash point: Not available.
Evaporation rate: Not Applicable
Flammability (solid, gas): Not available.
Flammability limit - lower (%): Not available.
Flammability limit - upper: (%): NOT DETERMINED.
Explosive limit - lower (%): Not available.
Explosive limit - upper (%): Not available.
Vapor pressure: Not Applicable
Vapor density: Not applicable, powder.
Relative density: Not available.
Solubility (water): Not available.
Auto-ignition temperature: 752 °F (400 °C) (MAIT Cloud)
Decomposition temperature: Not available.
Viscosity: Not available.

Other information
Pmax: 7.1 bar
Kst: 90 bar.m/s
Limiting oxygen concentration (LOC): 15.2 % v/v
Minimum explosible concentration (MEC): 96 g/m³
Minimum ignition energy (MIE) - dust cloud: > 1000 mJ
Particle size: 39 µm (85% < 75 um)

Section 10. Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust generation and accumulation.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: No hazardous decomposition products are known.

Section 11. Toxicological Information

Information on likely routes of exposure
Ingestion: Expected to be a low ingestion hazard.
Inhalation: No adverse effects due to inhalation are expected.
Skin contact: Causes skin irritation.
Eye contact: Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics:
Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

Information on toxicological effects
Acute toxicity: Not available.
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/eye irritation: Causes eye irritation.

Respiratory or skin sensitization
Respiratory sensitization: Not available.
Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure: Not applicable.
Specific target organ toxicity - repeated exposure: Not applicable.
Aspiration hazard: Not applicable.

Section 12. Ecological Information

Ecotoxicity: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Product		**Species**	**Test Results**
Sodium Lauryl Sulfoacetate			
Acute			
Algae	EC50	Algae	1.9 mg/l, 72 hours
Crustacea	LC50	Crustacea	5.9 mg/l, 48 hours
Fish	LC50	Fish	4.2 mg/l, 96 hours

Persistence and degradability: Readily biodegradable.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT: Not regulated as dangerous goods.
IATA: Not regulated as dangerous goods.
IMDG: Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available.

Section 15. Regulatory Information

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard: Yes
Delayed Hazard: No
Fire Hazard: Yes
Pressure Hazard: No
Reactivity Hazard: No

SARA 302 Extremely hazardous substance: No
SARA 311/312 Hazardous chemical: Yes
SARA 313 (TRI reporting): Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.
Safe Drinking Water Act (SDWA): Not regulated.

US state regulations
US. Massachusetts RTK - Substance List: Not regulated.
US. Rhode Island RTK: Not regulated.
US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories
Australian Inventory of Chemical Substances (AICS): Yes
Canada Domestic Substances List (DSL): Yes
Canada Non-Domestic Substances List (NDSL): No
China Inventory of Existing Chemical Substances in China (IECSC): No
European Inventory of Existing Commercial Chemical Substances (EINECS): Yes
European List of Notified Chemical Substances (ELINCS): No
Japan Inventory of Existing and New Chemical Substances (ENCS): Yes
Korea Existing Chemicals List (ECL): No
New Zealand Inventory: No
Philippine Inventory of Chemicals and Chemical Substances (PICCS): No

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory: Yes
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

NFPA
Health: 2
Flammability: 1
Reactivity: 0

Section 16. Other Information

Disclaimer: 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.

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