

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking**

- 1.1 Product Name:** Sodium Lauryl Sulfoacetate  
**Product Code:** 517-784X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc  
2490 S 1350 W  
Nibley, Utah 84321 - United States of America  
T 435.755.0863 - F 435.755.2108  
[www.TheSage.com](http://www.TheSage.com)
- 1.4 Emergency Telephone Number**  
No additional information available.

**SECTION 2: Hazards Identification**

**2.1 Classification**

**Health Hazards**

Skin Corrosion/Irritation, Category 2  
Eye Damage/Irritation, Category 2B

H315: Causes skin irritation.  
H320: Causes eye irritation.

**Environmental Hazards**

Acute Aquatic Toxicity, Category 2  
Chronic Aquatic Toxicity, Category 3

H401: Toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.

**OSHA Defined Hazards**

Combustible dust.

## 2.2 Label Elements

### Hazard Pictograms



**Signal Word:** Warning.

### Hazard Statements

H315	Causes skin irritation.
H320	Causes eye irritation.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

### OSHA Hazard Statements

May form combustible dust concentrations in air.

### Precautionary Statements

#### Prevention:

P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/ face protection.

#### Response:

P302+P352	IF ON SKIN: wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P321	Specific treatment (see this label).
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.
P337+P313	IF eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

**Storage:**

Store away from incompatible materials.

**Disposal:**

P501

Dispose of contents/container in accordance with local/regional/national/ international regulations.

**2.3 Hazards Not Otherwise Classified (HNOC)**

None known.

**2.4 Other Information**

Product may form explosive dust/air mixtures if high concentration of product dust is suspended in air.

**SECTION 3: Composition/Information on Ingredients****3.1 Mixtures**

Chemical Name	CAS No.	Weight %
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****4.1 Description of First Aid Measures****General Information:**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**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.

**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.

**Inhalation:** Move to fresh air. Call a physician if symptoms develop and persist.

**Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

#### **4.2 Most Important Symptoms and Effects, Both 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.

#### **4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed**

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### **SECTION 5: Firefighting Measures**

#### **5.1 Extinguishing Media**

**Suitable:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Apply extinguishing media carefully to avoid creating airborne dust.

**Unsuitable:** Do not use water jet as an extinguisher, as this will spread the fire.

#### **5.2 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.

#### **5.3 Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use standard firefighting procedures and consider the hazards of other involved materials.

#### **5.4 General Fire Hazards**

May form combustible dust concentrations in air.

## SECTION 6: Accidental Release Measures

### 6.1 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.

### 6.2 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 contaminated water. Avoid discharge into drains, water courses or onto the ground.

### 6.3 Methods and Material 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. 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.

## SECTION 7: Handling and Storage

### 7.1 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.

### 7.2 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

### 8.1 Control Parameters

#### **Occupational Exposure Limits:**

No exposure limits noted for ingredient(s).

#### **Biological Limit Values:**

No biological exposure limits noted for the ingredient(s).

## 8.2 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 and powder industrial trucks. Eye wash facilities and emergency shower must be available when handling this product.

## 8.3 Individual Protection Measures, Such as Personal Protective Equipment

<b>Eye/Face Protection:</b>	Wear safety glasses with side shields (or goggles).
<b>Skin/Body Protection:</b>	Wear appropriate chemical resistant gloves and clothing.
<b>Respiratory Protection:</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal Hazards:</b>	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

### 9.1 Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Solid
<b>Appearance:</b>	Free flowing powder
<b>Form:</b>	Class II Dust for National Electric Code (NFPA 70) Pmax = 7.1 bar Kst = 90 bar m/s Minimum Ignition Energy (MIE) = 1000 mJ Minimum Explosible Concentration (MEC) = 96g/m <sup>3</sup> Minimum Auto Ignition Temperature (MAIT Cloud) = 400 C Limiting Oxygen Concentration (LOC) = 15.2 vol. % Mean particle size = 39 (85% < 75) micrometer
<b>Color:</b>	White
<b>Odor:</b>	Not available
<b>Odor Threshold:</b>	Not available

<u>Property</u>	<u>Values</u>
<b>pH:</b>	5 - 7.5 (1% in water)
<b>Melting/Freezing Point:</b>	Not available
<b>Boiling Point/Range:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Flammability limit - lower (%):</b>	Not available
<b>Flammability limit - upper (%):</b>	Not available
<b>Explosive limit - lower (%):</b>	Not available
<b>Explosive limit - upper (%):</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	Not available
<b>Solubility(ies):</b>	Not available
<b>Solubility (water):</b>	Not available
<b>Auto-ignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Viscosity:</b>	Not available

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

This product is stable and non-reactive under normal conditions of use, storage and transport.



## 10.2 Chemical Stability

Material is stable under normal conditions.

## 10.3 Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

## 10.4 Conditions to Avoid

Keep away from heat, sparks open flame. Contact with incompatible materials.  
Minimize dust generation and accumulation.

## 10.5 Incompatible Materials

Strong oxidizing agents.

## 10.6 Hazardous Decomposition Products

No hazardous decomposition products are known.

# SECTION 11: Toxicological Information

## 11.1 Information on Likely Routes of Exposure

<b>Inhalation:</b>	No adverse effects due to inhalation are expected.
<b>Eye Contact:</b>	Causes eye irritation.
<b>Skin Contact:</b>	Causes skin irritation.
<b>Ingestion:</b>	Expected to be a low ingestion hazard.

## 11.2 Information on Toxicological Effects

<b>Symptoms:</b>	Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.
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## 11.3 Delayed, Immediate Effects, Chronic Effects from Short & Long-term Exposure

<b>Acute Toxicity:</b>	Not available.
<b>Skin Corrosion/Irritation:</b>	Causes skin irritation
<b>Eye Damage/Irritation:</b>	Causes eye irritation.
<b>Respiratory Sensitization:</b>	Not available.
<b>Skin Sensitization:</b>	This product is not expected to cause skin sensitization.
<b>Germ Cell Mutagenicity:</b>	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.  
**IARC Monographs. Overall Evaluation of Carcinogenicity**  
 Not listed.  
**US. National Toxicology Program (NTP) Report on Carcinogens**  
 Not listed.  
**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
 Not regulated.

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

**STOT-Single Exposure:** Not applicable.

**STOT-Repeated Exposure:** Not applicable.

**Aspiration Hazard:** Not applicable.

**SECTION 12: Ecological Information**

**12.1 Ecotoxicity**

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

Product	Species	Test Results
Sodium Lauryl Sulfoacetate <b><u>Aquatic</u></b> <i>Acute</i>		
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

**12.2 Persistence and Degradability**

Readily biodegradable.

**12.3 Bioaccumulation**

No information available.

**12.4 Other Adverse Effects**

No other adverse effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: Disposal Considerations

### 13.1 Disposal Instructions

Dispose of contents/container in accordance with local/regional/national/international regulations.

### 13.2 Hazardous Waste Code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### 13.4 Waste From Residues/Unused Products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: disposal instructions).

### 13.5 Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## SECTION 14: Transport Information

**14.1 DOT** Not regulated as dangerous goods.

**14.2 IATA** Not regulated as dangerous goods.

**14.3 IMDG** Not regulated as dangerous goods.

**14.4 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**  
Not available.

## SECTION 15: Regulatory Information

### 15.1 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.

#### **SARA 304 Emergency Release Notification**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

Hazard Categories	Immediate Hazard:	No
	Delayed Hazard:	No
	Fire Hazard:	Yes
	Pressure Hazard:	No
	Reactivity Hazard:	No

**SARA 302 Extremely Hazardous Substance**

Not listed.

**SARA 311/312 Hazardous Chemical**

Yes.

**SARA 313 (TRI Reporting)**

Not regulated.

**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.

**15.2 US State Regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. Pennsylvania Worked and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

### 15.3 International Inventories

Country(s) or Region	Inventory Name	On Inventory (yes/no)
Australia	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
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ENCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemical List (ECL)	No
New Zealand	New Zealand Inventory (NZIoC)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Inventory (TCSI)	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).

<b>SECTION 16: Other Information</b>
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Notes:

This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.