



Date Revised: October 21, 2022

# SAFETY DATA SHEET

## SODIUM ALPHA OLEFIN SULFONATE

### 1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Sodium Alpha Olefin Sulfonate

Company: **MuddySoapCo Inc**  
**205 N Sycamore St**  
**Tomball Texas 77375**  
**713-489-6297**

Emergency Contact: Infotrac: 800-535-5053

### 2. HAZARD IDENTIFICATION

GHS Classification of the substance / mixture and any regional information

#### **Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)**

Flammable solids (Category 2), H228

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Chronic aquatic toxicity (Category 3), H412

Chronic aquatic toxicity, Category 3; H412

#### **Classification according to Directive 67/548/EEC (DSD)**

Irritant (Xi); R36,R38

#### **Regional information**

For the full text of H Statements and R-phrases see section 16.

#### **Label elements**

**Labelling according to Regulation (EC) No 1272/2008 (CLP):**

**Substance name:** Sodium Tetradecene Sulfonate

#### **Precautionary statements:**

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/eye protection/face protection

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Hazard Symbol(s)

**Name of Symbol:** Warning**Other hazards which do not result in classification**

Not available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

INCI NAME	CAS NO.	CONCENTRATION (%)
Sodium olefin-(C14-C16)-sulfonate	68439-57-6	92 - 96

**4. FIRST AID MEASURES**

**Description of the necessary measures , subdivided according to different routes of exposure :**

**General notes:**

**Inhalation:** Inhalation is not an expected route of exposure. Remove victim to fresh air and keep at rest in a position comfortable for breathing if inhalation occurs. See medical attention if symptoms persist.

**Skin contact:** Immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical advice if irritation persists.

**Ingestion:** Do NOT induce vomiting without medical advice. Drink water as a precaution. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

Potential acute health effects

Eye contact: Irritating to eyes

Inhalation: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

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Skin contact: Skin contact may aggravate existing skin disease  
Ingestion: May cause irritation to mouth, throat and stomach

**Indication of any immediate medical attention and special treatment needed.**

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments:** Symptomatic treatment and supportive therapy as indicated. Following severe exposure the patient should be kept under medical review for at least 48 hours.

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** on large fires use universal foam or water spray. On small fires use dry chemical, CO<sub>2</sub>. Water can be used to cool fire exposed containers.

Unsuitable extinguishing media: Water jet is not recommended.

### **Special hazards arising from the Chemicals**

Will burn (following evaporation of water)

Hazardous decomposition products formed under fire conditions. On combustion or on thermal decomposition (pyrolysis), releases:

Sulfur oxides, Carbon oxides

### **Special Protective equipment & Precautions for fire-fighters**

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

Wear suitable protective equipment. Do not touch damaged containers or spilled material unless wearing suitable protective clothing.

### **Environmental precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods and material for containment and cleaning up.**

**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and

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place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations

## 7. HANDLING AND STORAGE

### **Precautions for safe handling.**

Avoid direct or prolonged contact with skin and eyes. Do not take internally.

### **Conditions for safe storage, including any incompatibilities**

SHIP AND STORE BETWEEN 25 - 30°C. Store in tightly closed containers. Store in an area that is dry, with stacking, well ventilated, away from incompatible materials (see section 10, stability and reactivity). Expected shelf life if stored at recommended temperatures: 12 months.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters**

#### **Occupational exposure limit values or biological limit values:**

No occupational exposure limit values established

#### **Appropriate engineering controls:**

Provide appropriate exhaust ventilation at places.

#### **Individuals protection measures:**

##### **Such as Personal protective equipment**

**Eye and face protection:** Wear safety glasses with side shields or splash proof goggles. (ANSI Z87 approved). An emergency eye wash is necessary.

**Skin protection:** Use proper protection - gloves and suitable long-sleeved clothing (i.e., shirts and pants) as a minimum.

**Hand protection:** Protective gloves.

**Respiratory protection:** If ventilation is insufficient, suitable respiratory protection must be provided

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**Environmental exposure Controls:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Industrial hygiene:** Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder
Color	Creamy
Odor	Characteristic
Odor threshold	No data available
pH (25°C, 1% aqueous solution)	7 – 10
Melting point	No data available
Freezing point:	Not data available
Boiling point:	Not data available
Boiling range:	Not data available
Flash point:	Not data available
Evaporation rate:	Not data available
Flammability:	
Upper lower flammability or Explosive limits:	Not data available
Vapour pressure:	Not data available
Vapour Density:	Not data available
Relative density:	0.35 – 0.60
Solubility(ies):	Soluble in water
Partition coefficient (n-octanol/water):	Not data available
Auto-ignition temperature:	Not data available
Decomposition temperature	Not data available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under normal temperature and pressures.

### Possibility of hazardous reactions

Under normal condition of storage and use, hazardous reaction will not occur.

### Conditions to avoid

Prolonged, excessive heat

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**Incompatible materials**

Strong acids, strong oxidizing agents.

**Hazardous decomposition products.**

Carbon oxides, Sulfur Oxide.

**11. TOXICOLOGICAL INFORMATION**

**Condense but complete & comprehensible description of various toxicological (health) effects and the available data used to identify those effects including:**

**Information on the likely routes of exposures**

**Inhalation:**

No relevant information available.

**Ingestion:**

No data available.

**Skin:**

Slightly irritating. May cause redness, irritation.

**Eye Contact:**

Irritating to eyes

**Symptoms related to the physical, chemical and toxicological characteristics**

Inhalation No specific data

Ingestion No specific data

Skin contact Adverse symptoms may include irritation and redness

Eye contact Adverse symptoms may include irritation, watering, redness

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

Not available

**Numerical measures of toxicity**

Acute dermal toxicity: Oral[rat] >500 - 5000 mg/kg

**12. ECOLOGICAL INFORMATION**

**Eco toxicity**

No data available.

**Persistence and degradability:**

Readily biodegradable

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

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**Other adverse effects**

No relevant information available.

**13. DISPOSAL CONSIDERATIONS**

**Description of the waste residue & information of their handling & methods of disposal, including any contaminated packing**

Description of waste residue & handling : Any waste residue or contaminated material handled with proper use of PPE.

Method of Disposal :Dispose of in accordance with local regulations.

Disposal of contaminated Packaging : Any containers of equipment used should be decontaminated immediately after use.

**14. TRANSPORT INFORMATION**

UN Number	Not regulated
UN proper shipping name	Not applicable
Transport hazard class	Not applicable
Packing group	Not applicable
Marine pollutant	No Information available
Special precautions which user needs to be aware of:	No Information available

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations specific for the product Alfa Olefin Sulfonate Powder**

**EU regulation: Authorisations:** No information available.

**Restrictions on use:** No information available.

**EINECS:** No information available.

**DSD (67/548/EEC):** No information available.

**Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance.

**16. OTHER INFORMATION**

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