



# Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

**MATERIAL SAFETY DATA SHEET**

**MSDS**

Savgan Heights ; 102 ,B Wing ; R.T.O. Lane ,Andheri (West) Mumbai - 400053 , INDIA

## Section 1 - Chemical Product and Company Identification

**Product Name : 1-OCTANESULPHONIC ACID SODIUM SALT**

**Synonyms:**

**CAS No.:** 5324-84-5

**Molecular Weight:** 216.28

**Chemical Formula:**  $C_8H_{17}O_3S.Na$

## Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
1-Octanesulphonic Acid Sodium Salt	5324-84-5	100%	Yes

## Section 3 - Hazardous Identification

### Emergency Overview

**CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.**

**SAF-T-DATA<sup>(tm)</sup> Ratings (Provided here for your convenience)**

Health Rating: 1 - Slight

Flammability Rating: 1 - Slight

Reactivity Rating: 0 - None

Contact Rating: 2 - Moderate

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES

Storage Color Code: Green (General Storage)

## Potential Health Effects

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Information on the human health effects from exposure to this substance is limited.

### **Inhalation:**

No information found, however, based on toxicity of similar compounds, exposure may irritate respiratory tract.

### **Ingestion:**

No information found, but compound should be handled as a potential health hazard.

### **Skin Contact:**

May cause irritation. May be absorbed through skin.

### **Eye Contact:**

May cause irritation.

### **Chronic Exposure:**

No information found.

### **Aggravation of Pre-existing Conditions:**

No information found.

## Section 4 - First Aid Measures

### **Inhalation:**

Remove to fresh air. Get medical attention for any breathing difficulty.

### **Ingestion:**

Give large amounts of water to drink. Never give anything by mouth to an unconscious person.

Get medical attention.

### **Skin Contact:**

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.

### **Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

## Section 5 - Fire Fighting Measures

### **Fire:**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

### **Explosion:**

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

### **Fire Extinguishing Media:**

Water spray, dry chemical, alcohol foam, or carbon dioxide.

### **Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## Section 6 - Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

## Section 7 - Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

## Section 8 - Exposure Controls, Personal Protection

### **Airborne Exposure Limits:**

None established.

### **Ventilation System:**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

### **Personal Respirators (NIOSH Approved):**

For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

### **Skin Protection:**

Wear protective gloves and clean body-covering clothing.

### **Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## Section 9 - Physical and Chemical Properties

### **Appearance:**

White solid.

### **Odor:**

No information found.

### **Solubility:**

Soluble in water.

### **Specific Gravity:**

No information found.

### **pH:**

No information found.

### **% Volatiles by volume @ 21C (70F):**

No information found.

### **Boiling Point:**

No information found.

### **Melting Point:**

300C (572F)

### **Vapor Density (Air=1):**

No information found.

### **Vapor Pressure (mm Hg):**

No information found.

### **Evaporation Rate (BuAc=1):**

No information found.

## Section 10 - Stability and Reactivity

**Stability:**

Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**

Burning may produce carbon monoxide, carbon dioxide, sulfur oxides.

**Hazardous Polymerization:**

Will not occur.

**Incompatibilities:**

Strong oxidizers.

**Conditions to Avoid:**

Incompatibles.

## Section 11 - Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
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1-Octanesulphonic Acid Sodium Salt (5324-84-5)		No	No	None
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## Section 12 - Ecological Information

**Environmental Fate:** No information found.

**Environmental Toxicity:** No information found.

## Section 13 - Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## Section 14 - Transport Information

Not regulated.

## Section 15 - Regulatory Information

-----\Chemical Inventory Status - Part 1\-----  
 Ingredient TSCA EC Japan Australia  
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 1-Octanesulphonic Acid Sodium Salt (5324-84-5) Yes Yes Yes Yes

-----\Chemical Inventory Status - Part 2\-----  
 --Canada--  
 Ingredient Korea DSL NDSL Phil.  
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 1-Octanesulphonic Acid Sodium Salt (5324-84-5) Yes Yes No Yes

-----\Federal, State & International Regulations - Part 1\-----  
 -SARA 302- -----SARA 313-----  
 Ingredient RQ TPQ List Chemical Catg.  
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 1-Octanesulphonic Acid Sodium Salt No No No No  
 (5324-84-5)

-----\Federal, State & International Regulations - Part 2\-----  
 -RCRA- -TSCA-  
 Ingredient CERCLA 261.33 8(d)  
 -----  
 1-Octanesulphonic Acid Sodium Salt No No No  
 (5324-84-5)

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No  
 SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No  
 Reactivity: No (Pure / Solid)

## Section 16 - Additional Information

**NFPA Ratings:** Health: **1** Flammability: **1** Reactivity: **0**

**Label Hazard Warning:**

CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN.  
 MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

**Label Precautions:**

Avoid contact with eyes, skin and clothing.  
 Avoid breathing dust.  
 Keep container closed.  
 Use with adequate ventilation.  
 Wash thoroughly after handling.

**Label First Aid:**

If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person.  
 If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact,  
 immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated  
 clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

**Product Use:**

Laboratory Reagent.

**Revision Information:**

No Changes.