

SAFETY DATA SHEET



1000 Tedia Way
Fairfield, Ohio 45014
USA
Email: tedia@tedia.com
Web: www.tedia.com

24-Hour Emergency Number (CHEMTREC)

USA: 800-424-9300
International: 703-527-3887

All non-emergency numbers should be directed
to Customer Service at 800-PURITY1

OCTANESULFONIC ACID, SODIUM SALT

SDS No. M0335

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Octanesulfonic Acid, Sodium Salt and Octanesulfonic Acid, Sodium Salt Monohydrate

Synonyms: Sodium 1-Octanesulfonate

Chemical Formula: $\text{CH}_3(\text{CH}_2)_7\text{SO}_3\text{Na}$

Recommended Use: This product is recommended for laboratory and manufacturing use only. It is not recommended for drug, food or household use.

2. HAZARDS IDENTIFICATION



Label Elements

Signal Word: WARNING!

Hazard Statements:

H303 – May be harmful if swallowed.

H335 – May cause respiratory tract irritation.

Precautionary Statements:

P281 – Use personal protective equipment as required.

P335 – Brush loose particles off skin.

Emergency Overview

May be harmful if swallowed, inhaled, or absorbed through the skin. May cause irritation to eyes, skin, digestive tract, and respiratory tract.

HMIS Rating:

Health – 02 Flammability – 0 Physical Hazard – 0 PPE – User supplied

NOTE: HMIS ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. These ratings are based on the inherent properties of this chemical under expected conditions of normal use and are not intended to be used in emergency situations. PPE is determined by the user based on their needs and conditions.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS No</u>	<u>Percent</u>	<u>Hazardous</u>
Octanesulfonic Acid, Sodium Salt	5324-84-5	>99%	Yes

4. FIRST-AID MEASURES

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if irritation persists.

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

Contact: Get medical aid if irritation develops or persists. Flush skin with plenty of water.

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

Notes to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

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

Auto-ignition Temperature: Not available.

Flash Point: Not available.

Flammable Limits: Not available.

Products of Combustion: Not available.

Specific Fire Hazards: As in any fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear.

Specific Explosion Hazards: None.

Fire Fighting Media: Use water, dry chemical, carbon dioxide, or alcohol foam.

National Fire Protective Association: Health - 0, Flammability - 0, Reactivity - 0

NOTE: NFPA ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. They are for use by emergency personnel to address the hazards that are presented by short term, acute exposure to this product under fire, spill, or similar emergencies. Ratings involve data and interpretations that may vary from company to company.

6. ACCIDENTAL RELEASE MEASURES

Sweep up spilled material and place in suitable container. Wear respiratory protection and appropriate personal protection as described in Section 8. Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

7. HANDLING AND STORAGE

Precautions: Wash thoroughly after handling. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protection: Wear protective chemical goggles or appropriate eye protection. Use appropriate protective gloves and protective clothing to prevent skin exposure. A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever possible. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Exposure Limits: None listed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance: White solid.

Odor: Odorless

Molecular Formula: $\text{CH}_3(\text{CH}_2)_7\text{SO}_3\text{Na}$

Molecular Weight: 216.28

Molecular Formula (monohydrate): $\text{CH}_3(\text{CH}_2)_7\text{SO}_3\text{Na} \cdot \text{H}_2\text{O}$

Molecular Weight (monohydrate): 234.28

Auto-ignition Temperature: Not available.

Flash Point: Not available.

Flammable Limits: Not available.

pH: 5.5-7.5 1% aqueous solution.

Boiling Point: Not available

Freezing/Melting Point: 300° C (572° F)

Decomposition Temperature: Not available

Specific Gravity: Not available

Vapor Density (Air=1): Not available

Vapor Pressure: Not available

Viscosity: Not available.

Solubility: Soluble in water

10. STABILITY AND REACTIVITY

Stability: Tends to absorb atmospheric water vapor and become liquid; tends to lose ammonia.

Conditions to Avoid: Incompatible materials, dust generation.

Incompatibility with Various Substances: Strong oxidizing agents.

Hazardous Decomposition Products: Sulfur oxides, carbon monoxide, and carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, ingestion, skin contact

Acute Exposure Hazards:

INHALATION HAZARD: May cause respiratory tract irritation. May be harmful if inhaled.

INGESTION HAZARD: May cause gastrointestinal irritation. May be harmful if swallowed.

SKIN CONTACT HAZARD: May cause skin irritation. May be harmful if absorbed through the skin.

EYE CONTACT HAZARD: May cause eye irritation.

Chronic Exposure Hazards: No information found.

Animal Toxicity: Not information available.

Carcinogenicity: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65

Epidemiology: Not information available.

Teratogenicity: No information available.

Mutagenicity: Not information available.

Neurotoxicity: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Aquatic invertebrates: water flea: EC50 = 3200 mg/l – 24 hr

Environmental Fate: No information available.

13. DISPOSAL CONSIDERATIONS

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use, or contamination of this product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions found in 40 CFR 261.3. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

Not regulated for transportation.

15. REGULATORY INFORMATION

US Federal Regulations:

CERCLA Hazardous Substances: CAS# 5324-84-5 does not have a final RQ.

SARA Section 302: CAS# 5324-84-5 does not have a TPQ

SARA Codes: CAS# 5324-84-5: acute

Section 313: Octanesulfonic Acid, sodium Salt (CAS# 5324-84-5) is not subject to SARA Title III Section 313 and 40 CFR 373 reporting requirements.

OSHA: CAS# 5324-84-5 is not considered highly hazardous by OSHA.

US State Regulations:

CAS# 5324-84-5 can be found on the following state right to know lists:

California Prop 65: This product contains no chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Originally Prepared: 10/24/2006

Last Revised: 07/21/2020 – Updated section 6 Accidental release measures and updated section 9 physical properties.

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

TEDIA COMPANY, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, TEDIA COMPANY, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.