



# SAFETY DATA SHEET

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## SODIUM ALLYL SULFONATE SOLUTION

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Sodium Allyl Sulfonate Solution

**OTHER/GENERIC NAMES:** Sodium 2-propene-1-sulfonate, Sodium allylsulfonate, 2-Propene-1-sulfonic acid sodium salt

**PRODUCT USE AND RESTRICTIONS ON USE:** Chemical intermediate.

**SUPPLIER:** Esseco USA LLC  
4 Gatehall Drive  
Parsippany, NJ 07054

**MANUFACTURER:** Esseco UK Limited  
Calder Vale Rd.  
Wakefield WF1 5PH  
United Kingdom

**FOR MORE INFORMATION CALL:** 973-267-3330  
(Monday-Friday, 9:00am-4:30pm)

**FOR EMERGENCY IN USA, CALL CHEMTREC:** 800-424-9300  
(24 Hours/Day, 7 Days/Week)

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not Classified as Hazardous

#### Label Elements:

None Required

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Water	7732-18-5	62-78
Sodium Allyl Sulfonate	2495-39-8	22-38

Trace impurities and additional material names not listed above may appear in Section 15 of this SDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons. The exact concentrations are a trade secret.

### 4. FIRST AID MEASURES

**SKIN:** Wash skin with plenty of soap and water. Get medical attention if irritation persists.  
Launder contaminated clothing before reuse.



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<b>EYES:</b>	Flush eyes with water for several minutes. Remove contact lenses if present if you can do so easily and continue flushing. Get medical attention if irritation occurs and persists.
<b>INHALATION:</b>	Remove to fresh air. Get medical attention if irritation or other symptoms develop.
<b>INGESTION:</b>	Rinse mouth with water and give 1 glass of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms develop.
<b>MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:</b>	May cause slight eye and skin irritation. Inhalation of high concentrations of mists or vapors may cause respiratory tract irritation.
<b>INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NEEDED:</b>	Immediate medical attention should not be required. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:**

Material is not flammable. Use extinguishing media appropriate for material in surrounding fire.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Decomposition includes release of oxides of carbon and sulfur.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTING:**

Wear NIOSH-approved self-contained breathing apparatus to protect against any release of toxic and/or irritating vapors. Use water-spray to keep fire-exposed containers cool, and to knock down vapors and gases.

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Wear appropriate personal protective equipment.

**ENVIRONMENTAL PRECAUTIONS:** Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Cover with an inert absorbent material and collect into an appropriate container for disposal.

### 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** (See section 8 for recommended personal protective equipment.)

Avoid contact with skin, eyes and clothing. Do not breathe mists or vapors. Use with adequate ventilation. Wash thoroughly after handling.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

Store in a cool, dry, well-ventilated area away from acids and oxidizing agents. Keep container closed when not in use and protect from physical damage.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



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### EXPOSURE GUIDELINES

INGREDIENT NAME	ACGIH TLV	OSHA PEL	OTHER LIMIT
Sodium Allyl Sulfonate	None	None	None

### OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

Sulfur dioxide: OSHA TWA = 5 ppm  
ACGIH STEL = 0.25 ppm

### APPROPRIATE ENGINEERING CONTROLS:

Local exhaust if misty conditions exist or if there is a release of sulfur dioxide gas. Do not use in unventilated spaces, e.g., the holds of fishing boats, walk-in coolers or confined spaces.

### INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

**SKIN PROTECTION:** For handling dry material, wear rubber gloves and full work clothing, including long-sleeved shirt and trousers. When handling solutions and there is prolonged or repeated contact, wear impervious gloves, clothing and boots.

**EYE PROTECTION:** Wear chemical safety glasses/goggles.

**RESPIRATORY PROTECTION:** Where required, use a NIOSH-approved respirator for dust/mist, as conditions indicate. If sulfur dioxide should be released, use a NIOSH-approved self-contained breathing apparatus or supplied-air respirator. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

**ADDITIONAL RECOMMENDATIONS:** Eyewash and safety shower are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Colorless liquid	
PHYSICAL STATE:	Liquid.	
ODOR:	Odorless.	
ODOR THRESHOLD:	Not determined.	
MOLECULAR WEIGHT:	Not determined.	
CHEMICAL FORMULA:	$C_3H_6O_3S \cdot Na$	
RELATIVE DENSITY (water = 1.0):	Not determined.	
SOLUBILITY IN WATER (weight %):	Not determined.	
pH:	Not determined.	
INITIAL BOILING POINT/RANGE:	Not determined.	
MELTING/FREEZING POINT:	Not determined.	
VAPOR PRESSURE:	Not determined.	
RELATIVE VAPOR DENSITY (air = 1.0):	Not determined.	
EVAPORATION RATE:	Not determined.	COMPARED TO: Not applicable.
% VOLATILES:	Not determined.	
PARTITION COEFFICIENT (N-OCTANOL/WATER):	Not determined.	



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KINEMATIC VISCOSITY:	Not determined.
FLASH POINT:	Not determined.
FLASH POINT METHOD:	Not applicable.
AUTOIGNITION TEMPERATURE:	Not applicable.
UPPER FLAME LIMIT (volume % in air):	Not applicable.
LOWER FLAME LIMIT (volume % in air):	Not applicable.
DECOMPOSITION TEMPERATURE:	Not determined.
FLAMMABILITY:	Not applicable.
OSHA FLAMMABILITY CLASS:	Not applicable.
PARTICLE CHARACTERISTICS:	Not available.

### 10. STABILITY AND REACTIVITY

#### REACTIVITY:

Not normally reactive.

#### CHEMICAL STABILITY:

Normally stable.

#### POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization with not occur.

#### CONDITIONS TO AVOID:

Avoid elevated temperatures.

#### INCOMPATIBILITIES:

Strong oxidizing agents.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and sulfur.

### 11. TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH HAZARDS

#### ACUTE EFFECTS OF EXPOSURE:

SKIN:	Contact with solution may cause skin irritation from repeated or prolonged contact.
EYES:	Contact with solution may irritate the eyes and cause temporary conjunctivitis.
INHALATION:	Inhalation of high concentrations of mist or vapors may irritate the respiratory tract.
INGESTION:	Ingestion may cause irritation of the gastrointestinal tract and purging, if a large quantity is ingested. Relatively low in acute toxicity.
CHRONIC EFFECTS:	None known.

Ingredients found on one of the three OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
No ingredients listed in this section.	----	----	----



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### NUMERICAL MEASURES OF TOXICITY:

No toxicity data available

#### **Immediate (Acute) Effects:**

No data available

#### **Delayed (Subchronic and Chronic) Effects:**

None known

#### **Other Data:**

None

## 12. ECOLOGICAL INFORMATION

### **ECOTOXICITY:**

No data available

### **PERSISTENCE AND DEGRADABILITY:**

No data available

### **BIOACCUMULATIVE POTENTIAL:**

No data available

### **MOBILITY IN SOIL:**

No data available

### **OTHER ADVERSE EFFECTS:**

No data available.

## 13. DISPOSAL CONSIDERATIONS

### RCRA

Is the unused product a RCRA hazardous waste if discarded? No

If yes, the RCRA ID number is: Not applicable.

### **OTHER DISPOSAL CONSIDERATIONS:**

Dispose of in accordance with applicable Federal, State and Local regulations.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

## 14. TRANSPORT INFORMATION

US DOT HAZARD CLASS:	Not regulated.
US DOT ID NUMBER:	Not applicable.
PROPER SHIPPING NAME:	Not applicable.

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

## 15. REGULATORY INFORMATION



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### TOXIC SUBSTANCES CONTROL ACT (TSCA)

**TSCA INVENTORY STATUS:** All components are listed on TSCA Inventory of Chemical Substances.  
**OTHER TSCA ISSUES:** None.

### SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

<u>INGREDIENT NAME</u>	<u>SARA/CERCLA RQ (lb)</u>	<u>SARA EHS TPQ (lb)</u>
No ingredients listed in this section.	----	----

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee. Many states have more stringent regulations. Report all spills in accordance with local, state and federal regulations.

**SECTION 311 HAZARD CLASS:** See OSHA Hazard Classification in Section 2.

### **SARA 313 TOXIC CHEMICALS:**

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

<u>INGREDIENT NAME</u>	<u>COMMENT</u>
No ingredients listed in this section.	----

### STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<u>INGREDIENT NAME</u>	<u>WEIGHT %</u>	<u>COMMENT</u>
No ingredients listed in this section.	----	----

### **CALIFORNIA PROPOSITION 65**

This product does not contain any ingredients known to the State of California to cause cancer and/or reproductive harm.

### **ADDITIONAL REGULATORY INFORMATION:**

None

### **FOREIGN CHEMICAL CONTROL INVENTORY STATUS:**

Listed on Canadian DSL, Australian AICS, Philippines PICCS, Chinese IECSC, Japanese MITI, Korean KECL, and EU EINECS.

## 16. OTHER INFORMATION

**CURRENT ISSUE DATE:** January, 2026  
**PREVIOUS ISSUE DATE:** December, 2021

### **CHANGES TO SDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:**

Updated SDS for HCS 2024.

**OTHER INFORMATION:** None.



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