

Safety Data Sheet: Sodium Allyl Sulfonate 35% Solution

1. Identification

Product	Sodium Allyl Sulfonate 35% Solution; CAS 2495-39-8; EC 219-676-5
Use	Professional electroplating and functional-monomer formulation development.
Company	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Address	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / email	+86-21-54265599 / sales@zxchem.com.cn
Emergency contact	ZXCHEM office number above, office hours, China time (UTC+8). For urgent medical assistance contact local emergency services.
Scope	Reference safety information for Sodium Allyl Sulfonate 35% Solution. The reference composition, concentration and supply-grade differences are described in Section 3. This document does not certify the composition or transport status of a specific delivered batch or a different formulation.

2. Hazards Identification

Classification	Not classified as a hazardous substance or mixture in the selected reference.
Signal word / symbols	No signal word assigned; No GHS pictogram in the selected reference
Hazard statements	No classified GHS hazard statements assigned. Control airborne dust and unnecessary exposure.
Prevention	Provide effective ventilation during transfer. Wear protective gloves, splash goggles and suitable work clothing. Prevent splashes, skin contact and aerosol formation; keep eyewash available.
Response	After exposure, stop work and seek medical advice. For severe exposure obtain urgent medical care. Rinse contaminated skin or eyes with water; move an inhalation casualty to fresh air.
Environment	Prevent uncontrolled release to drains, soil or surface water. Collect spills for appropriate disposal.

3. Composition / Information on Ingredients

Reference ingredient	Sodium allyl sulfonate, CAS 2495-39-8, EC 219-676-5, in water. Matching reference ranges: active component 33–37%, water 63–67%, sodium chloride <6%. These are reference ranges, not supplied-batch measurements; supply effective content ≥35.0% and sodium chloride ≤4.5%.
Supply grade	Effective content ≥35.0%
Applicability	The cited concentration or purity describes the reference material. It is not a certificate of analysis for the delivered batch; different solvents or dilutions require the matching supplier safety document.

4. First-Aid Measures

General	Protect the rescuer from exposure and show the product information to medical personnel. Obtain medical advice if symptoms occur or exposure is significant.
Inhalation	Move to fresh air and keep the person comfortable. Seek medical care for breathing difficulty or persistent symptoms. Avoid exposing rescuers to mist.
Skin	Remove contaminated clothing and rinse skin thoroughly with water. Seek medical advice for persistent irritation.
Eyes	Rinse gently with clean water for at least 15 minutes. Remove contact lenses when easy and continue rinsing. Seek medical advice if irritation persists.
Ingestion	Rinse the mouth. Do not induce vomiting. Give nothing by mouth to an unconscious person. Obtain medical advice.
Effects / treatment	Direct contact and aerosols can irritate eyes, skin and airways even though the selected mixture is not classified. Obtain medical advice for persistent symptoms. Treatment is symptomatic and directed by a clinician.

5. Fire-Fighting Measures

Extinguishing media	Use water spray, foam, dry chemical or carbon dioxide suited to the surrounding fire.
Hazards	Stable under recommended storage; avoid freezing. Excessive heating can release organic-acid vapours and sodium-oxide fumes.
Protection	Firefighters require suitable protective clothing and self-contained breathing equipment. Prevent contaminated firefighting water entering drains.

6. Accidental Release Measures

Personal protection	Provide effective ventilation during transfer. Wear protective gloves, splash goggles and suitable work clothing. Prevent splashes, skin contact and aerosol formation; keep eyewash available.
Containment	Contain with compatible inert absorbent and collect in labelled closed waste containers. Prevent splashes and aerosol formation.
Environment	Prevent discharge to drains, soil and waterways. Arrange an approved waste-disposal route.

7. Handling and Storage

Handling	Provide effective ventilation during transfer. Wear protective gloves, splash goggles and suitable work clothing. Prevent splashes, skin contact and aerosol formation; keep eyewash available.
Storage	Store tightly closed in a cool, dry, ventilated area, protected from freezing and excessive heat. Keep separate from strong oxidizing agents.
Incompatibilities	Strong oxidizing agents; freezing and excessive heat.

8. Exposure Controls / Personal Protection

Exposure limits	No active-component occupational exposure limit is established in the selected reference. Use ventilation and applicable local workplace requirements.
Engineering controls	Use local extraction where mist can be generated. Maintain accessible eyewash and emergency washing facilities.
Personal protection	Wear chemical-resistant gloves selected for the task, suitable protective clothing and splash goggles. Add face protection for splash-prone tasks.
Respiratory protection	Use a properly selected respirator under a respiratory-protection program where engineering controls do not adequately limit airborne exposure.
Hygiene	Wash after handling, remove contaminated clothing promptly and do not eat, drink or smoke in the work area.

9. Physical and Chemical Properties

Appearance	Colourless clear liquid
Formula / molecular weight	C3H5NaO3S / 144.12 g/mol
Physical state	Clear aqueous liquid
Effective content, supply TDS	≥35.0%
pH, supply TDS	6.5–9.0
Density at 20°C, supply TDS	1.20–1.28 g/cm ³
Water solubility	Soluble
Other properties	Product-specific values for odor threshold, vapor pressure, partition coefficient, autoignition temperature and viscosity are not supplied by the selected reference set. No values are inferred.

10. Stability and Reactivity

Stability	Handle and store under the recommended conditions. Prevent contamination and unnecessary heating.
Incompatibilities	Strong oxidizing agents; freezing and excessive heat.
Decomposition	Stable under recommended storage; avoid freezing. Excessive heating can release organic-acid vapours and sodium-oxide fumes.

11. Toxicological Information

Exposure effects	Direct contact and aerosols can irritate eyes, skin and airways even though the selected mixture is not classified. Obtain medical advice for persistent symptoms.
Reference classification	Not classified as a hazardous substance or mixture in the selected reference.
Data limits	The active-component reference oral rat LD50 exceeds 12,300 mg/kg. This is a component endpoint, not a measured LD50 for the supplied solution. Quantitative inhalation, dermal and repeated-exposure endpoints for the mixture are not established.

12. Ecological Information

Environmental effects	Active-component reference fish LC50 4,600 mg/L over 96 hours and Daphnia EC50 >500 mg/L over 48 hours. Persistence and soil mobility are not established. Prevent environmental discharge.
Controls	Prevent uncontrolled release, collect spills and dispose of contaminated material through an authorized route.
Assessment	No product-specific PBT/vPvB assessment is claimed. Absence of data does not establish absence of environmental effects.

13. Disposal Considerations

Product	Collect surplus product and contaminated cleanup material for disposal by an authorized chemical-waste contractor in accordance with local requirements.
Packaging	Containers may retain product residues. Do not reuse contaminated packaging without an approved cleaning process; use an authorized disposal route.

14. Transport Information

Classification	Non-dangerous goods
UN number	Not assigned
Shipping name	Not regulated as dangerous goods
Class / packing group	ADR / RID, IMDG and IATA: non-dangerous goods for the matching 35% aqueous reference; no UN number or packing group assigned.
Transport precautions	Protect packaging and closures from damage, secure loads and prevent releases. This reference is not a shipping declaration for a specific consignment.

15. Regulatory Information

Identity	Sodium Allyl Sulfonate 35% Solution; CAS 2495-39-8; EC 219-676-5
HS reference	290410; reference heading rather than a destination customs ruling.
Compliance	Apply applicable workplace, environmental and transport rules. A raw-material listing does not establish authorization for a finished formulation.
Assessment	No ZXCHEM-specific chemical safety assessment or destination registration is asserted.

16. Other Information

Hazard meanings	No classified GHS hazard statements assigned. Control airborne dust and unnecessary exposure.
Limitations	Prepared as reference safety information for the identified material. It is not a batch analytical certificate or safety assessment of a different solvent-containing formulation.
Revision	2026.1; prepared 2026-10-07. Customer-document branding and title corrected; technical safety data retained.
Document scope	Reference safety information for the material and grade described in Sections 1 and 3. Different concentrations, solvents or formulations require the applicable safety information. This is not a batch analytical certificate.

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