

Safety Data Sheet: ASA Synthetic Emulsifier

1. Identification

Product	ASA Synthetic Emulsifier; CAS 26062-79-3; EC Polymer (no assigned EC)
Use	Professional preparation of papermaking sizing emulsions.
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 ASA Synthetic Emulsifier. 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	Skin irritation Category 2; serious eye irritation Category 2; chronic aquatic hazard Category 3 in the selected handling reference.
Signal word / symbols	Warning; GHS07
Hazard statements	H315: causes skin irritation. H319: causes serious eye irritation. H412: harmful to aquatic life with long lasting effects.
Prevention	Use adequate ventilation; avoid inhaling mist. Prevent skin and eye contact. Wear suitable chemical-resistant gloves and eye protection. Wash after handling; keep food and drink out of the work area.
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	Aqueous poly(diallyldimethylammonium chloride), CAS 26062-79-3. Reviewed commercial references cover nominal 35–40% and 40–49.9% polymer. These ranges do not establish actual stabilizers, residual monomer or carrier fractions in the supplied grade.
Supply grade	Solids 35±1% / 40±1%
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	Skin and eye irritation and gastrointestinal discomfort may follow exposure. Slippery spill surfaces create an additional physical hazard. Treatment is symptomatic and directed by a clinician.

5. Fire-Fighting Measures

Extinguishing media	Use water spray, foam, carbon dioxide or dry chemical suited to the surrounding incident. Cool exposed containers and contain runoff. Aqueous material may leave combustible residue after drying.
Hazards	Dried polymer residue can burn and release carbon oxides, nitrogen oxides, hydrogen chloride and irritating fumes.
Protection	Firefighters require suitable protective clothing and self-contained breathing equipment. Prevent contaminated firefighting water entering drains.

6. Accidental Release Measures

Personnel	Isolate the spill and provide ventilation. Use chemical-resistant gloves and eye protection; avoid contact and mist exposure.
Environment	Contain the release and protect drains and waterways. Report significant environmental contamination to the responsible authority.
Cleanup	Stop the leak if safe. Absorb liquid with a compatible inert material and collect in closed labelled containers. Do not wash into drains.

7. Handling and Storage

Handling	Use contained pumping and adequate ventilation. Avoid splashes, mist and prolonged skin contact; wear suitable gloves, goggles and protective clothing. Clean spills promptly with containment because polymer liquids can make floors very slippery.
Storage	Store tightly closed in compatible containers in a cool, dry, ventilated area. Prevent freezing, prolonged excessive heat and contamination; segregate from strong oxidizers.
Incompatibilities	Strong oxidizing agents, including concentrated inorganic oxidizers. Avoid freezing and unnecessary heating.

8. Exposure Controls / Personal Protection

Exposure limits	No substance-specific occupational exposure limit is identified in the selected reference. Apply local workplace dust controls.
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 to light-yellow liquid
pH, supply TDS	5–7
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, including concentrated inorganic oxidizers. Avoid freezing and unnecessary heating.
Decomposition	Dried polymer residue can burn and release carbon oxides, nitrogen oxides, hydrogen chloride and irritating fumes.

11. Toxicological Information

Exposure effects	Skin and eye irritation and gastrointestinal discomfort may follow exposure. Slippery spill surfaces create an additional physical hazard.
Reference classification	Skin irritation Category 2; serious eye irritation Category 2; chronic aquatic hazard Category 3 in the selected handling reference.
Data limits	The selected aqueous-polymer reference reports oral rat and dermal rabbit LD50 >5,000 mg/kg. Irritation and environmental classifications vary between commercial references; no actual supplied-batch chronic endpoint or residual-monomer recipe is assigned.

12. Ecological Information

Environmental effects	Harmful to aquatic life with long lasting effects. The selected polymer reference reports 7% biodegradation in 28 days and component-based aquatic LC50 / EC50 10–100 mg/L. Actual formulation endpoints are not established.
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	Reviewed aqueous-polymer references: ADR/RID / ICAO / IMDG non-dangerous goods; DOT corroboration is available for a 10–40% aqueous reference. No UN number or packing group assigned; this is not an ASA-containing finished emulsion classification.
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	ASA Synthetic Emulsifier; CAS 26062-79-3; EC Polymer (no assigned EC)
HS reference	391190; 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	H315: causes skin irritation. H319: causes serious eye irritation. H412: harmful to aquatic life with long lasting effects.
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.

Revision: 2026.1 | Revision date: 2026-10-07