



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Safety Data Sheet (MSDS)

(According to GB/T 16483 and GB/T 17519; Adapts to GHS, IMDG, IATA Standards)

SECTION 1: Identification

1.1 Product Identifiers

- Product Name: Allyltrimethylammonium Chloride
- Product Number: ATMAC-20260225
- Brand: SIGALD
- CAS-No.: 1516-27-4
- Synonyms: ATMAC; 3-Chloro-N,N,N-trimethyl-1-propen-1-aminium chloride

1.2 Details of the supplier of the safety data sheet

- Company : NEWAY SINOPHC TECH. LIMITED
- RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI)PILOT FREE TRADE ZONE.
- Telephone : +86-021-50350029
- Fax : +86-021-50350029

1.3 Emergency telephone

Emergency Phone # : +86-021-50350029
(CHEMTREC)

1.4 Uses

- Identified Uses: Chemical synthesis (polymer monomer), water treatment (floculant intermediate), textiles (cationic modifier), cosmetics (conditioner intermediate).
- Uses Advised Against: Direct oral consumption; contact with strong oxidizing agents without protection.

SECTION 2: Hazards Identification

2.1 GHS Classification: Skin corrosion/irritation (Category 2); Eye damage (Category 2A); Acute toxicity (oral, Category 4); Aquatic toxicity (Category 1)
2.2 GHS Label Elements

- Hazard Pictogram: GHS07 (Exclamation mark), GHS09 (Environment)
- Signal Word: Warning
- Hazard Statements: H315 (Causes skin irritation), H319 (Causes serious eye irritation), H302 (Harmful if swallowed), H400 (Very toxic to aquatic life)
- Precautionary Statements: P264 (Wash hands thoroughly after handling), P280 (Wear protective gloves/eye protection), P273 (Avoid release to environment)

SECTION 3: Composition

- Substance / Mixture: Aqueous Solution
- Formula: $C_6H_{14}NCl$
- Molecular Weight: 135.64 g/mol
- Concentration: 60-65% (ATMAC), 35-40% (Deionized Water)

SECTION 4: First Aid Measures



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

- Inhaled: Move to fresh air. Consult a doctor if symptoms persist.
- Skin Contact: Rinse skin with running water for 10 minutes; remove contaminated clothing.
- Eye Contact: Rinse with plenty of water for 10-15 minutes. Consult a doctor if irritation remains.
- Swallowed: Rinse mouth with water; do not induce vomiting. Call a poison center/doctor.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, CO₂, dry powder.
- Special Hazards: Non-combustible; no hazardous combustion products.
- Firefighter Protection: Wear standard fire-fighting gear.

SECTION 6: Accidental Release Measures

- Personal Precautions: Wear gloves, eye protection, respiratory protection (vapor exposure).
- Environmental Precautions: Prevent runoff into waterways.
- Cleanup Methods: Absorb with inert materials; transfer to sealed containers.

SECTION 7: Handling and Storage

- Handling: Operate in well-ventilated area; avoid skin/eye contact.
- Storage Conditions: Cool, dry, well-ventilated warehouse ($\leq 30^{\circ}\text{C}$); keep sealed.
- Shelf Life: 12 months (unopened).

SECTION 8: Exposure Controls/Personal Protection

- PPE: Nitrile gloves, chemical splash goggles, respirator (vapor exposure).
- Engineering Controls: Good ventilation, local exhaust system.

SECTION 9: Physical and Chemical Properties

- Physical State: Liquid (aqueous solution)
- Color: Colorless to pale yellow
- Odor: Mild amine odor
- Solubility: Fully miscible with water
- pH (25°C): 6.0-8.0
- Viscosity (25°C): 10-50 mPa·s
- Density (25°C): 1.07-1.10 g/cm³

SECTION 10: Stability and Reactivity

- Stable under normal storage. Incompatible with strong oxidizing agents, acids.

SECTION 11: Toxicological Information

- Oral LD₅₀ (Rat): 1500 mg/kg; Skin/Eye Irritation: Mild to moderate.

SECTION 12: Ecological Information

- Very toxic to aquatic life; not biodegradable.

SECTION 13: Disposal Considerations

- Dispose via licensed waste facilities; neutralize before disposal.

SECTION 14: Transport Information

- UN Number: UN3267
- Transport Hazard Class: 8 (Corrosive substances)



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

- Packaging Group: III

SECTION 15: Regulatory Information

- Complies with GHS, REACH, TSCA.

SECTION 16: Other Information

- Revision Date: 25 FEB 2026



纳维盈医化科技
NEWAY SINOPHC TECH