



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, GB/T 17519, and GHS Standards)

SECTION 1: Identification

1.1 Product Identifiers

- Product Name: Aluminum Hydroxide
- Product Number:ALOH-20260217
- Brand:TECHPURE
- CAS-No.:21645-51-2
- Synonyms: Alumina Trihydrate; Aluminum Hydrate

1.2 Details of the supplier of the safety data sheet

- Company : NEWAY SINOPHC TECH. LIMITED
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- Telephone : +86-021-50350029
- Fax : +86-021-50350029

1.3 Emergency telephone

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

1.4 Uses & Restrictions

Identified Uses: Flame retardant, pharmaceutical, water treatment.

- Uses Advised Against: Excessive ingestion, unventilated enclosed space use.

SECTION 2: Hazards Identification

2.1 GHS Classification

- Skin irritation (Category 2)
- Eye irritation (Category 2)
- Aquatic toxicity (Category 3)

2.2 GHS Label Elements

- Hazard Pictogram: Irritant; Environment
- Signal Word: Warning
- Hazard Statements: H315 (Causes skin irritation); H319 (Causes serious eye irritation); H402 (Harmful to aquatic life)
- Precautionary Statements: P260 (Do not breathe dust); P280 (Wear protective gloves/eye protection); P304+P340 (If inhaled: Remove to fresh air)

SECTION 3: Composition/Information on Ingredients

- Substance / Mixture: Pure substance
- Active Component: Aluminum Hydroxide (CAS 21645-51-2)
- Concentration: $\geq 99.0\%$
- Impurities: $\leq 1.0\%$ (Water, trace metals)

SECTION 4: First Aid Measures



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- Inhaled: Move to fresh air; seek medical attention if discomfort persists.
- Skin Contact: Rinse skin with running water for 10 minutes; remove contaminated clothing.
- Eye Contact: Rinse eyes with plenty of running water for 15 minutes; consult a doctor if irritation remains.
- Swallowed: Rinse mouth with water; seek medical attention if large amounts are ingested.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Dry powder, CO₂, foam, water spray.
- Special Hazards: Non-flammable; decomposes at 200°C to release water vapor.
- Advice for Firefighters: Wear standard fire-fighting gear.

SECTION 6: Accidental Release Measures

- Personal Precautions: Wear dust mask and gloves; evacuate non-essential personnel for large spills.
- Environmental Precautions: Prevent entry into drains/watercourses.
- Clean-Up Methods: Small spills: Sweep with inert materials; large spills: Transfer to sealed containers.

SECTION 7: Handling and Storage

- Handling: Operate in well-ventilated areas; avoid dust generation.
- Storage: Cool, dry, well-ventilated warehouse ($\leq 30^{\circ}\text{C}$); sealed, away from heat/acids.
- Incompatibilities: Strong acids, oxidizing agents.

SECTION 8: Exposure Controls/Personal Protection

- PPE: Dust mask, safety glasses, nitrile rubber gloves.
- Exposure Limits: TWA (8h): 10 mg/m³ (OSHA); STEL (15min): 20 mg/m³ (OSHA).

SECTION 9: Physical and Chemical Properties

- Physical State: Solid; Color: White; Odor: Odorless
- Melting Point: 300°C (decomposes); Boiling Point: Decomposes; Density (20°C): 2.42 g/cm³
- Solubility: 0.001 g/100 mL water (25°C); Vapor Pressure (25°C): < 0.001 kPa

SECTION 10: Stability and Reactivity

- Stability: Stable under normal conditions; decomposes at 200°C.
- Hazardous Reactions: Reacts violently with strong acids.

SECTION 11: Toxicological Information

- Acute Toxicity: Oral (Rat, LD₅₀): > 5000 mg/kg; Inhalation (Rat, LC₅₀): > 5000 mg/m³ (4h)
- Skin/Eye Irritation: Mild skin irritation; reversible eye irritation.

SECTION 12: Ecological Information

- Aquatic Toxicity: Fish (Zebrafish, LC₅₀): > 3000 mg/L (96h); Daphnia (EC₅₀): > 2000 mg/L (48h)
- Biodegradability: Moderately biodegradable.

SECTION 13: Disposal Considerations

- Product Waste: Dispose as non-hazardous waste; dilute with water for biological treatment.



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- Packaging Waste: Rinse with water; dispose as non-hazardous waste or recycle.

SECTION 14: Transport Information

- UN Number: None (Non-hazardous)
- UN Proper Shipping Name: Not dangerous goods
- Transport Hazard Class: None; Packaging Group: None
- Transport Precautions: Avoid collision, moisture, and direct sunlight.

SECTION 15: Regulatory Information

- National Regulations: Hazardous Chemical Safety Management Regulation (Non-hazardous); Environmental Protection Law.
- International Regulations: GHS (Rev. 9); REACH (EU, listed); TSCA (US, listed).

SECTION 16: Other Information

- Revision Date:17 FEB 2026
- Disclaimer: This MSDS is based on current data; supplier not liable for improper use.



纳维盈医化科技
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