

## Safety Data Sheet (MSDS)

(According to GB/T 16483, GB/T 17519, and GHS Standards)

### SECTION 1: Identification

#### 1.1 Product Identifiers

- Product Name: Salicylic Acid
- Product Number: SAL-20260313
- Brand: TECHPURE
- CAS-No.: 69-72-7
- Synonyms: 2-Hydroxybenzoic Acid; Salicylic Acid

#### 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 & Restrictions

- Identified Uses: Pharmaceutical active ingredient, cosmetic keratolytic agent, pesticide intermediate.
- Uses Advised Against: Oral consumption (unapproved), use on broken skin in high concentrations.

### SECTION 2: Hazards Identification

#### 2.1 GHS Classification

- Skin corrosion/irritation (Category 1)
- Eye damage/eye irritation (Category 1)
- Aquatic toxicity (Category 2)

#### 2.2 GHS Label Elements

- Hazard Pictogram: Corrosion; Environment
- Signal Word: Danger
- Hazard Statements: H314 (Causes severe skin burns and eye damage); H401 (Toxic to aquatic life)
- Precautionary Statements: P260 (Do not breathe dust); P280 (Wear protective gloves/eye/face protection); P304+P340 (If inhaled: Remove to fresh air); P391 (Collect spillage)

2.3 Physical & Chemical Hazards: No physical/chemical hazards under normal use.2.4 Health Hazards: Severe skin/eye corrosion; excessive dust inhalation may cause respiratory irritation.2.5 Environmental Hazards: Toxic to aquatic life; fully biodegradable.2.6 Other Hazards: None.

### **SECTION 3: Composition/Information on Ingredients**

- Substance / Mixture: Pure substance
- Active Component: Salicylic Acid (CAS 69-72-7)
- Concentration:  $\geq 99.0\%$
- Impurities:  $\leq 1.0\%$  (Water, salicylate salts)

### **SECTION 4: First Aid Measures**

- Inhaled: Move to fresh air; give oxygen if needed; seek medical attention.
- Skin Contact: Rinse with running water for 15 minutes; remove contaminated clothing.
- Eye Contact: Rinse with plenty of water for 15 minutes; seek emergency medical attention.
- Swallowed: Do not induce vomiting; rinse mouth with water; seek medical attention.

### **SECTION 5: Firefighting Measures**

- Suitable Extinguishing Media: Dry powder, CO<sub>2</sub>, foam, water spray.
- Unsuitable Extinguishing Media: None.
- Special Hazards: Non-flammable; no hazardous combustion gases.
- Advice for Firefighters: Wear standard fire-fighting gear.

### **SECTION 6: Accidental Release Measures**

- Personal Precautions: Wear full PPE (dust mask, gloves, goggles); evacuate non-essential personnel.
- Environmental Precautions: Prevent entry into 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 and skin/eye contact.
- Storage: Cool, dry, well-ventilated warehouse ( $\leq 30^{\circ}\text{C}$ ); sealed, away from heat/oxidizers/moisture.
- Incompatibilities: Strong bases, oxidizing agents.
- Shelf Life: 24 months (unopened).

### **SECTION 8: Exposure Controls/Personal Protection**

- Engineering Controls: Local exhaust ventilation for dust control.
- PPE: Dust mask (P100), chemical safety goggles, face shield, nitrile rubber gloves.
- Exposure Limits: TWA (8h): 5 mg/m<sup>3</sup> (OSHA).

### **SECTION 9: Physical and Chemical Properties**

- Physical State: Solid; Color: White to off-white; Odor: Faint phenolic

- Melting Point: 159.5°C; Boiling Point: 211°C (decomposes); Flash Point: 157°C
- Density (20°C): 1.44 g/cm<sup>3</sup>; Solubility: Slightly soluble in water
- Vapor Pressure (25°C): < 0.001 kPa; Autoignition Temperature: 540°C

## SECTION 10: Stability and Reactivity

- Stability: Stable under normal conditions.
- Hazardous Reactions: Reacts violently with strong bases/oxidizers.
- Conditions to Avoid: Heat, strong bases, oxidizing agents.
- Incompatible Materials: Oxidizing agents, strong bases.
- Hazardous Decomposition Products: CO, CO<sub>2</sub> (when burned).

## SECTION 11: Toxicological Information

- Acute Toxicity: Oral (Rat, LD<sub>50</sub>): 891 mg/kg; Inhalation (Rat, LC<sub>50</sub>): > 4000 mg/m<sup>3</sup> (4h)
- Skin/Eye Corrosion: Severe skin burns; permanent eye damage risk.
- Chronic Toxicity: No known chronic effects.
- Reproductive Toxicity: No known reproductive toxicity.

## SECTION 12: Ecological Information

- Aquatic Toxicity: Fish (Zebrafish, LC<sub>50</sub>): 50 mg/L (96h); Daphnia (EC<sub>50</sub>): 100 mg/L (48h)
- Biodegradability: Fully biodegradable (BOD<sub>5</sub> /COD = 0.5-0.6)
- Bioaccumulative Potential: None.

## SECTION 13: Disposal Considerations

- Product Waste: Dispose as hazardous waste; neutralize with alkali before disposal.
- Packaging Waste: Rinse with water; dispose as hazardous waste or recycle.

## SECTION 14: Transport Information

- UN Number: 2811
- UN Proper Shipping Name: TOXIC SOLID, ORGANIC, N.O.S. (Salicylic Acid)
- Transport Hazard Class: 6.1; Packaging Group: III
- Marine Pollutant: No
- Transport Precautions: Avoid collision, moisture, and direct sunlight.

## SECTION 15: Regulatory Information

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

## SECTION 16: Other Information

- Revision Date: 13 MAR 2026
- Disclaimer: This MSDS is based on current data; supplier not liable for improper use.