

**SAFETY DATA SHEET****1. IDENTIFICATION**

Product name: Salicylic acid

CAS No. : 69-72-7

Brand: Macklin

Company: Shanghai Macklin Biochemical Co.,Ltd.

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**2. HAZARDS IDENTIFICATION**

GHS classification

PHYSICAL HAZARDS

Not classified

HEALTH HAZARDS

Acute toxicity (Oral) Category 4

Skin corrosion/irritation Category 3

Serious eye damage/eye irritation Category 1

Specific target organ toxicity Central nervous system

- Single exposure [Category 2]

ENVIRONMENTAL HAZARDS

Acute aquatic hazard Category 3

GHS label elements, including precautionary statements

Pictograms or hazard symbols



Signal word

Danger

Hazard statements

Harmful if swallowed

Causes mild skin irritation

Causes serious eye damage

May cause damage to organs : Central nervous system

Harmful to aquatic life

Precautionary statements

[Prevention]

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Wear protective gloves/eye protection/face protection.

[Response]

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.  
Immediately call a POISON CENTER or doctor/physician.

[Storage]

Store locked up.

[Disposal]

Dispose of contents/container through a waste management company authorized by the local government. Research]

Other hazards which do not result in classification  
Dust explosion possible if in powder or granular form, mixed with air.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Components: Salicylic acid

CAS No.: 69-72-7

Chemical Formula:  $C_7H_6O_3$

### 4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Most important symptoms/effects, acute and delayed:

Cough, Sore throat, Nausea, Vomiting, Tinnitus, Redness, Pain

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

Precautions for firefighters: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing

method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

Special protective equipment for firefighters: When extinguishing fire, be sure to wear personal protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and people away from spill/leak: Use extra personal protective equipment (P3 filter respirator for toxic particles). Keep

protective equipment and people away from and upwind of spill/leak. Entry to non-involved personnel should

emergency procedures: be controlled around the leakage area by roping off, etc.

Environmental precautions: Prevent product from entering drains.

Methods and materials for containment and cleaning: Sweep dust to collect it into an airtight container, taking care not to disperse it.

containment and cleaning: Adhered or collected material should be promptly disposed of, in accordance with

up: appropriate laws and regulations.

### 7. HANDLING AND STORAGE

Precautions for safe handling

Technical measures: Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling: Avoid contact with skin, eyes and clothing. Conditions for safe storage, including any

#### Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a cool and dark place.

Store locked up.

Store away from incompatible materials such as oxidizing agents.

Packaging material: Comply with laws.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Install a closed system or local exhaust. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection: Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator,

etc. Use respirators approved under appropriate government standards and follow local and national regulations.

Hand protection: Impervious gloves.

Eye protection: Safety goggles. A face-shield, if the situation requires.

Skin and body protection: Impervious protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Solid

Form: Crystal- Powder

Colour: White

Odour: No data available

pH: No data available

Melting point/freezing point:159°C

Boiling point/range: 211°C/2.7kPa

Flash point: No data available

Flammability or explosive

limits:

Lower: 1.1%

Upper: No data available

Vapour pressure: 114Pa/130°C

Vapour density: 4.8

Relative density: No data available

Solubility(ies):

[Water] Very slightly soluble (0.2g/100mL, 20°C)

[Other solvents]

Soluble: Ether, Alcohols, Acetone

Log Pow: 2.2

Autoignition temperature: 540°C

## 10. STABILITY AND REACTIVITY

Chemical stability: Stable under proper conditions.

Possibility of hazardous Dust explosion possible if in powder or granular form, mixed with air.

reactions:

Conditions to avoid: Static discharge

Incompatible materials: Oxidizing agents, Strong bases, Iron and its salts, Iodine

Hazardous decomposition Carbon monoxide, Carbon dioxide

products:

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: orl-mus LD50:480 mg/kg  
ihl-mam LC50:>300 mg/m<sup>3</sup>  
skn-rat LD50:>2 g/kg  
ipr-rat LD50:157 mg/kg  
Skin corrosion/irritation: No data available  
Serious eye No data available  
damage/irritation:  
Germ cell mutagenicity: mmo-sat 100 ug/disc (+S9)  
mmo-smc 1 mmol/L/3H (-S9)  
Carcinogenicity:  
IARC = No data available  
NTP = No data available  
Reproductive toxicity: No data available  
RTECS Number: VO0525000

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:  
Fish: 96h LC50:2000 mg/L (*Oryzias latipes*)  
Crustacea: 48h EC50:2000 mg/L (*Daphnia magna*)  
Algae: 72h EC50:2000 mg/L (*Selenastrum capricornutum*)  
Persistence / degradability: 88.1 % (by BOD), 97.6 % (by TOC), 100 % (by HPLC), 100 % (by UV-VIS)  
Bioaccumulative No data available  
potential(BCF):  
Mobility in soil  
Log Pow: 2.2  
Soil adsorption (Koc): 65 - 404  
Henry's Law  $7.45 \times 10^{-4}$   
constant(PaM<sup>3</sup>/mol):

## 13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

Hazards Class: Does not correspond to the classification standard of the United Nations  
UN-No: Not listed

## 15. REGULATORY INFORMATION

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

## 16. OTHER INFORMATION

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.