



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: 2-Hydroxybenzoic Acid
Product code: H0206
Company: TCI (Shanghai) DEVELOPMENT CO., LTD.
Address: No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China
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Revision number: 1

2. HAZARDS IDENTIFICATION

Classification of the GHS

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

Not classified

GHS label elements

Pictograms or hazard symbols



Signal word

Danger

Hazard statement

Harmful if swallowed

Causes mild skin irritation

Causes serious eye damage

May cause damage to organs : central nervous system

Precautionary statements

[Prevention]

Do not breathe.

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

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 |
| Component(s): | 2-Hydroxybenzoic Acid |
| Percent: | >99.5%(T) |
| CAS Number: | 69-72-7 |
| Synonyms: | Salicylic Acid |
| Chemical Formula: | C ₇ H ₆ O ₃ |

4. FIRST AID MEASURES

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| 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. |
| Symptoms/effects: | cough, sore throat , nausea, vomiting, susurrus aurium , 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

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

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| Personal precautions, protective equipment and emergency procedures: | Use extra personal protective equipment (P3 filter respirator for toxic particles). Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc. |
| Environmental precautions: | Prevent product from entering drains. |
| Methods and materials for containment and cleaning up: | Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. |

7. HANDLING AND STORAGE

Handling

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| 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. |

Storage

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| 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: | Law is followed. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 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
- Color:** White
- Odor:** Odorless
- pH:** No data available
- Melting point/freezing point:** 159 °C
- Boiling Point/Range:** 211 °C/2.7kPa
- Flash Point:** No data available
- Explosive limits**
- Lower:** 1.1%
- Upper:** No data available
- Vapor Pressure:** 0.1kPa/130°C
- Vapor Density:** 4.8
- Density:** No data available
- Solubility:** Soluble in : Alcohol Ether Acetone
Very slightly soluble in: Water (0.2g/100mL 20°C)
- log Pow =** 2.2
- Autoignition Temperature:** 540°C

10. STABILITY AND REACTIVITY

- Stability:** Stable under proper conditions.
- Reactivity:** Dust explosion possible if in powder or granular form, mixed with air.
- Incompatible materials:** oxidizing agents, strong bases, iron and this salts, iodine
- Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

- Acute Toxicity:** ihl-rat LC50:>900 mg/m³/1H
ipr-rat LD50:157 mg/kg
orl-rat LD50:891 mg/kg
skn-rbt LD50:>10 g/kg
- Skin corrosion/irritation:** skn-rbt 500 mg/24H MLD
- Serious eye damage/irritation:** eye-rbt 100 mg SEV
- 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:** No data available
- Crustacea:** No data available
- Algae:** No data available
- Persistence / degradability:** No data available

12. ECOLOGICAL INFORMATION

| | |
|---|-------------------------|
| Bioaccumulative potential(BCF): | No data available |
| Mobility in soil | |
| log Pow: | 2.2 |
| Soil adsorption (Koc): | 65 - 404 |
| Henry's Law constant(PaM³/mol): | 7.34 x 10 ⁻⁴ |

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

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

15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

16. OTHER INFORMATION

The reference company name of written contents

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|--------------------|--|
| Company: | TCI (Shanghai) DEVELOPMENT CO., LTD. |
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This MSDS 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. 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.