



# Material Safety Data Sheet


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## Section 1 - Product and Company Identification

Product name : Methyl 4-Hydroxybenzoate
Other names : --
Product use :
Supplier's name : San Fu Chemical Co., Ltd., Shan Hua Plant
Supplier's address : 340 Hsiao Hsin Li, Shan Hua, Tainan Hsien, Taiwan, R.O.C.
Supplier's phone : 06-5837608                      Emergency phone : 06-5837608
FAX. : 06-5839498

## Section 2 - Hazards Identification

Classification :
1. Acute toxicity                                      Category 5(SKIN)
2. Skin corrosion / irritation                      Category 2
3. Serious eye Damage/eye irritation              Category 2B
The Most Important Hazards and effect
Label element :
■ Hazard symbol : Exclamation Mark

■ Signal word : Danger
Hazard statement :
1. Harmful if swallowed
2. May cause skin irritation
3. May cause eyes irritation
4. May cause skin sensitization
Precautionary statement :
1. Wear mouth protective equipment
2. Avoid contact with skin and eyes
3. In case of contact, flush skin with plenty of water, and get medical attention immediately.
4. If swallowed, summon a doctor immediately.
Others Hazard : --

## Section 3 - Composition/Information On Ingredients Substance :

Chemical name : Methyl 4-Hydroxybenzoate
Synonyms : 4-Hydroxybenzoic acid methyl ester; Methyl paraben
CAS No. : 99-76-3
Ingredient contributing to the hazard(%) : 99 %

## Section 4 - First Aid Measures

The different exposure routes :
■ Inhalation : If inhaled, remove to fresh air. If not breathing give artificial respiration. If



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breathing is difficult, give oxygen. ■ Skin Contact : Immediately flush plenty of water, and remove the contaminated clothing. ■ Eye Contact : Flush eyes with plenty of water. See an eye specialist. ■ Ingestion : If swallowed, wash out mouth with water provided person is conscious. Call a physician.
The most important symptom and effect : --
Protection to first-aiders : --
Notes to physician : --

## Section 5 - Fire-Fighting Measures

Extinguishing media : water spray, carbon dioxide, dry chemical powder, or appropriate foam
Specific hazard : Emits toxic fumes under fire conditions
Specific methods : No specific request.
The protection of firefighters : Do not stay in dangerous zone without wearing self-contained breathing apparatus and protective clothing.

## Section 6 - Accidental Release Measures

Personal precautions : 1. Avoid contact with this substance. 2. Avoid dusts generation and dusts inhalation.
Environmental precautions : 1. Prevent entry into ditches, sewers and waterways.
Methods for cleaning up : 1. Sweep up dry powder and dispose of it adequately. 2. Clean up the affected area. 3. Avoid dusts generation.

## Section 7 - Handling and Storage

Handling : 1. Do not breathe dust. 2. Avoid contact with eyes, skin, and clothing. 3. Avoid prolonged or repeated exposure. 4. Separate working area and storage area.
Storage : 1. Store in a cool, dry place. 2. Keep container tightly closed.

## Section 8 - Exposure Controls/Personal Protection

Engineering measures : Safety shower and eye wash nearby. Mechanical exhaust required.			
Control parameters			
TWA	STEL	Ceiling	Biological standards
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Personal protective equipment : ■ Respiratory protection : Wear dust mask			



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- Hand protection : Wear rubber protective gloves
- Eye protection : Wear safety glasses
- Skin and body protection : Choose suitable protective clothing according to concentration and quantity of the handled hazardous substances.

Hygiene measures :

1. Change the contaminated clothing.
2. Wash hand thoroughly after handling.

## Section 9 – Physical and Chemical Properties

Appearance : Fine crystals	Odor : odorless
Color : white	Melting Point: 125°C -128°C
pH value : ~5.8(20°C, saturated solution)	Boiling point/boiling range : 270°C -280°C
Flammability: --	Flash point : --
Decomposition temp : --	Test method : --
Auto ignition temp : >600°C	Explosion properties : --
Vapor pressure : 0.67 hPa @ 122 °C	Vapor density : 5.3
Density : 0.6-0.7(water=1)	Solubility : 2.5 g/l H <sub>2</sub> O (20°C)
log Kow : --	Evaporation Rate : --

## Section 10 - Stability and Reactivity

Stability : stable
Possible hazardous reactions under specific conditions : --
Conditions to avoid : excess heat, incompatible materials
Materials to avoid : strong bases, strong oxidizing agents
Hazardous decomposition products : carbon monoxide, carbon dioxide

## Section 11 - Toxicological Information

Route of exposure : Inhalation 、 Skin 、 Eye 、 Ingestion
Symptoms : irritation, coughing, diarrhea, allergy
Immediate Toxicity : <ul style="list-style-type: none"><li>■ Skin: Cause skin irritation, skin sensitization</li><li>■ Inhalation: If expose to high concentration, material is irritating to mucous membranes and upper respiratory tract, and it may cause sore throat, coughing, and difficulty in breathing.</li><li>■ Eye: Cause eye irritation, redness, pain</li><li>■ Ingestion: May cause inflammation of the gastrointestinal tract LD<sub>50</sub>: 2280 mg/kg (Oral 、 rat) LC<sub>50</sub>: --</li></ul>



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Specific effects : --

## Section 12 - Ecological Information

Ecotoxicology :

- LC<sub>50</sub>(fish) : 50mg/l/48hr
- EC<sub>50</sub>(Aquatic Invertebrates) : 53.6mg/l/30min
- Bioconcentration factor (BCF) : --

Persistence and degradability :

- Half-Life (Air) : --
- Half-Life (Water surface) : --
- Half-Life (Groundwater) : --
- Half-Life (Soil) : --

Bioaccumulative potential : --

Mobility in soil : --

Other adverse effects : --

## Section 13 - Disposal Consideration

Methods of disposal :

1. Contact a licensed professional waste disposal service to dispose of this material.
2. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
3. Observe all federal, state, and local environmental regulations.

## Section 14 - Transport Information

UN classification number : --

Proper D.O.T Shipping Name : --

Hazard Class : --

Packing Group : --

Marine pollution : --

Specific precautionary transport measures and conditions : --

## Section 15 - Regulatory Information

Regulations :

1. Labor Safety and Health Facilities Regulations
2. Toxic Chemical Substances Labeling and Safety Data Regulations
3. Road Traffic Safety Regulations

## Section 16 - Other Information

Literature references	<ol style="list-style-type: none"><li>1. MSDS database from Merck Index</li><li>2. GHS Globally Harmonized System of Classification and Labeling of Chemicals Database</li></ol>
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