



# Material Safety Data Sheet


Rev. 1

Page 1 of 5

## Section 1 - Product and Company Identification

Product name : Propyl 4-Hydroxybenzoate	
Other names : --	
Product use : Laboratory reagent and preservative in foods.	
Supplier's name : San Fu Chemical Co., Ltd., Shan Hua Plant	
Supplier's address : 340 Hsiao Hsin Li, Shan Hua Town, 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
2. Skin Corrosion/Irritation	Category 2
3. Serious Eye Damage/Eye Irritation	Category 2B
The Most Important Hazards and effect	
Label element :	
1. Hazard symbol : Exclamation Mark	
	
2. Signal word : Warning	
Hazard statement :	
1. Harmful if swallowed or inhaled.	
2. May cause irritation to skin.	
3. May cause irritation to eyes.	
Precautionary statement :	
1. Wear proper mouth and respiratory protective equipments.	
2. Avoid contact with eyes and skin.	
3. In case of contact, flush water, summon a doctor immediately.	
4. If swallowed, get medical attention immediately.	
Others Hazard : --	

## Section 3 - Composition/Information On Ingredients

Pure Substance :

Chemical name : Propyl 4-Hydroxybenzoate
Synonyms : 4-Hydroxybenzoic acid propyl ester, Propyl paraben, Benzoic acid
CAS No. : 94-13-3
Ingredient contributing to the hazard(%) : 99%

## Section 4 - First Aid Measures

The First-aid Information :
■ Inhalation :



# Material Safety Data Sheet

Rev. 1

Page 2 of 5

<ol style="list-style-type: none"><li>1. Remove to fresh air.</li><li>2. If not breathing, give artificial respiration.</li><li>3. If breathing is difficult, give oxygen.</li><li>4. Get medical attention.</li></ol> <p>■ Skin Contact :</p> <ol style="list-style-type: none"><li>1. Immediately flush skin with plenty of soap and water.</li><li>2. Remove contaminated clothing and shoes.</li><li>3. Thoroughly clean contaminated clothing and shoes before reuse.</li></ol> <p>■ Eye Contact :</p> <ol style="list-style-type: none"><li>1. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.</li><li>2. Get medical attention immediately.</li></ol> <p>■ Ingestion :</p> <ol style="list-style-type: none"><li>1. Drink plenty of water if conscious.</li><li>2. Never give anything by mouth to an unconscious person.</li><li>3. Get medical attention immediately.</li></ol>
The Most Important Symptoms and Hazardous Effects : --
Protection of First-aiders : --
Notes to a Physician : --

## Section 5 - Fire Fighting Measures

Extinguishing Media : Dry chemical, foam or carbon dioxide
Specific Hazards when Fire-fight : <ol style="list-style-type: none"><li>1. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.</li><li>2. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.</li></ol>
Specific Fire-fighting Procedure : --
Specific Protection of Firefighters : Use protective clothing and breathing equipment appropriate for the surrounding fire.

## Section 6 - Accidental Release Measures

Personal Precautions : <ol style="list-style-type: none"><li>1. Avoid contact with this substance.</li><li>2. Prevent dusts generation.</li><li>3. Do not inhale dust.</li></ol>
Environmental Precautions : --
Methods for Cleaning up : <ol style="list-style-type: none"><li>1. Sweep up dry powder and dispose of it adequately.</li><li>2. Clean up the affected area.</li><li>3. Avoid dusts generation.</li></ol>

## Section 7 - Handling and Storage

Handling : No specific request.
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# Material Safety Data Sheet

Rev. 1

Page 3 of 5

**Storage :**

1. Keep in a tightly closed container, stored in a cool, dry, ventilated area.
2. Protect against physical damage.
3. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

**Section 8 - Exposure Controls & Personal Protection**

Engineering measures : A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.

**Control parameters**

TWA	STEL	Ceiling	Biological standards
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**Personal protective equipment :**

- Respiratory protection : Wear dust mask
- 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.

**Personal protective equipment :**

- Respiratory Protection :
- Hand Protection :
- Eye Protection :
- Skin and Body Protection :

**Hygiene measures :**

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

**Section 9 - Physical & Chemical Properties**

Appearance : fine crystals	Odor : odorless
Color : white	Melting Point: 96~99°C
pH value : 6.7 (20°C, saturated solution)	Boiling point/boiling range : --
Flammability: --	Flash point : 180°C
Decomposition temp : --	Test method : closed
Auto ignition temp : >600°C	Explosion properties : --
Vapor pressure : 0.67 hPa	Vapor density : --
Density : 1.063 g/cm <sup>3</sup>	Solubility : ~8 g/l H <sub>2</sub> O (100°C)
log Kow : --	Evaporation Rate : --

**Section 10 - Stability & Reactivity Data**

Stability : Stable under ordinary conditions of use and storage.

Possible hazardous reactions under specific conditions : --



# Material Safety Data Sheet

Rev. 1

Page 4 of 5

Conditions to avoid : Heat, flame, ignition sources, and dusting
Materials to avoid : Strong oxidizing agents
Hazardous decomposition products : Carbon dioxide and carbon monoxide may form when heated to decomposition.

## 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<ul style="list-style-type: none"><li>● LD<sub>50</sub>: 5000 mg/kg (Oral 、 rat)</li><li>● LC<sub>50</sub>: --</li></ul></li></ul>
Specific effects : --

## Section 12 - Ecological Information

Ecotoxicology : <ul style="list-style-type: none"><li>■ LC<sub>50</sub>(fish) : 10mg/l/48hr</li><li>■ EC<sub>50</sub>(Aquatic Invertebrates) : 500mg/l</li><li>■ Bioconcentration factor (BCF) : --</li></ul>
Persistence and degradability : <ul style="list-style-type: none"><li>■ Half-Life (Air) : --</li><li>■ Half-Life (Water surface) : --</li><li>■ Half-Life (Groundwater) : --</li><li>■ Half-Life (Soil) : --</li></ul>
Bioaccumulative potential : --
Mobility in soil : --
Other adverse effects : --

## Section 13 - Disposal Considerations

Methods of disposal : Dispose of container and unused contents in accordance with federal, state and local requirements.
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## Section 14 - MSDS Transport Information

UN classification number : --
Proper D.O.T Shipping Name : --
Hazard Class : --
Packing Group : --



# Material Safety Data Sheet

Rev. 1

Page 5 of 5

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	1. MSDS database from Merck Index 2. GHS Globally Harmonized System of Classification and Labeling of Chemicals Database		
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Issue date	2009/3/5	Revision	1
Remarks	Symbols Explanations: "--" No information is available at this time. "/" Not applicable to this substance.		
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