



# Safety Data Sheet

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## Section 1 - Product and Company Identification

|                                                                                        |
|----------------------------------------------------------------------------------------|
| Product name : Propyl 4-Hydroxybenzoate (Propyl P-Hydroxybenzoate)                     |
| Other names : --                                                                       |
| Product use : Laboratory reagent and preservative in foods.                            |
| Supplier's name : San Fu Chemical Co., Ltd.                                            |
| Supplier's address : 340 Hsiao Hsin Li, Shan-Hua District, Tainan City, Taiwan, R.O.C. |
| Supplier's phone : 886-6-5837608      Emergency phone : 886-6-5837608                  |
| FAX. : 886-6-5839498                                                                   |

## 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 :                                                                     |
| ■ Hazard symbol : Exclamation Mark                                                  |
|  |
| ■ 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 :

|                                                                             |
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| Chemical name : Propyl 4-Hydroxybenzoate(Propyl P-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

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| The First-aid Information : |
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| <ul style="list-style-type: none"><li>■ Inhalation :<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></li><li>■ Skin Contact :<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></li><li>■ Eye Contact :<ol style="list-style-type: none"><li>1. Immediately flush eyes with plenty of water for at least 20 minutes, lifting lower and upper eyelids occasionally.</li><li>2. Get medical attention immediately.</li></ol></li><li>■ Ingestion :<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></li></ul> |
| The Most Important Symptoms and Hazardous Effects : --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protection of First-aiders : --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Notes to a Physician : --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Section 5 - Fire Fighting Measures

|                                                                                                                                                                                                                                                                                                                                                         |
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| 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> |



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## Section 7 - Handling and Storage

|                                                                                                                                                                                                                                                                                                                                                                         |
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| Handling : No specific request.                                                                                                                                                                                                                                                                                                                                         |
| Storage : <ol style="list-style-type: none"><li>1. Keep in a tightly closed container, stored in a cool, dry, ventilated area.</li><li>2. Protect against physical damage.</li><li>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.</li></ol> |

## Section 8 - Exposure Controls & Personal Protection

|                                                                                                                                                                                                                                                                                                                                                                                          |      |         |                      |
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| 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 |
| --                                                                                                                                                                                                                                                                                                                                                                                       | --   | --      | --                   |
| Personal protective equipment : <ul style="list-style-type: none"><li>■ Respiratory protection : Wear dust mask</li><li>■ Hand protection : Wear rubber protective gloves</li><li>■ Eye protection : Wear safety glasses</li><li>■ Skin and body protection : Choose suitable protective clothing according to concentration and quantity of the handled hazardous substances.</li></ul> |      |         |                      |
| Personal protective equipment : <ul style="list-style-type: none"><li>■ Respiratory Protection :</li><li>■ Hand Protection :</li><li>■ Eye Protection :</li><li>■ Skin and Body Protection :</li></ul>                                                                                                                                                                                   |      |         |                      |
| Hygiene measures : <ol style="list-style-type: none"><li>1. Change the contaminated clothing.</li><li>2. Wash hand thoroughly after handling.</li></ol>                                                                                                                                                                                                                                  |      |         |                      |

## Section 9 - Physical & Chemical Properties

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| Appearance : fine crystals                | Odor : odorless                            |
| Color : white                             | Melting Point: 96~99°C                     |
| pH value : 5.8 (20°C, saturated solution) | Boiling point/boiling range :              |
| Flammability: --                          | Flash point : --                           |
| Decomposition temp : --                   | Test method(Opened or closed cup) : closed |
| Auto ignition temp : >600°C               | Explosion properties : --                  |
| Vapor pressure : 0.67 hPa                 | Vapor density : --                         |
| Density : 1.063 g/cm <sup>3</sup>         | Solubility : 2.5g(20°C)                    |
| log Kow : --                              | Evaporation Rate : --                      |

## Section 10 - Stability & Reactivity Data

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| Stability : Stable under ordinary conditions of use and storage.                                             |
| Possible hazardous reactions under specific conditions : --                                                  |
| 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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| 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. |
|--------------------------------------------------------------------------------------------------------------------------|

## Section 14 - SDS Transport Information

|                                             |
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| UN classification number : Not Restricted   |
| Proper D.O.T Shipping Name : Not Restricted |



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|---------------------------------------------------------------------------|
| Hazard Class : Not Restricted                                             |
| Packing Group : Not Restricted                                            |
| Marine pollution : Not Restricted                                         |
| Specific precautionary transport measures and conditions : Not Restricted |

## Section 15 - Regulatory Information

|                                                                                        |
|----------------------------------------------------------------------------------------|
| Regulations :                                                                          |
| 1. Enforcement Rules of the Occupational Safety and Health Act                         |
| 2. Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials |
| 3. Road Traffic Safety Regulations                                                     |
| 4. Industrial Waste Storage and Disposal Regulations and Facility Standards            |

## Section 16 - Other Information

|                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                             |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------|
| Literature references                                                                                                                                                                                                                                                                                                                                                   | 1. MSDS database from Merck Index<br>2. GHS Globally Harmonized System of Classification and Labeling of Chemicals Database |                      |
| Prepared by                                                                                                                                                                                                                                                                                                                                                             | Supplier : San Fu Chemical Co., Ltd.                                                                                        |                      |
|                                                                                                                                                                                                                                                                                                                                                                         | Address : 340 Hsiao Hsin Li, Shan-Hua District, Tainan City, Taiwan, R.O.C.                                                 |                      |
|                                                                                                                                                                                                                                                                                                                                                                         | Supplier's phone : 886-6-5837608                                                                                            | FAX. : 886-6-5839498 |
|                                                                                                                                                                                                                                                                                                                                                                         | Name : Shao Chen Hsu                                                                                                        |                      |
| Issue date                                                                                                                                                                                                                                                                                                                                                              | Nov-10 <sup>th</sup> 2023                                                                                                   | Revision : 7         |
| Re-revision date                                                                                                                                                                                                                                                                                                                                                        | Nov-09 <sup>th</sup> 2026                                                                                                   |                      |
| Remarks                                                                                                                                                                                                                                                                                                                                                                 | Symbols Explanations:<br>"--" No information is available at this time.<br>"/" Not applicable to this substance.            |                      |
| ■ This information above has consulted national or international papers and manufacturer or supplier's provided information. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make their own determination of the suitability of the information for their particular purposes. |                                                                                                                             |                      |