



# Material Safety Data Sheet


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## Section 1 - Product and Company Identification

Product name : Butyl 4-Hydroxybenzoate
Other names : 4-Hydroxybenzoic acid butyl ester; butylparaben
Product use : Organic synthesizing intermediate, medicine, food, cosmetics, and antiseptic and reagent for high-class products
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 : <table><tr><td>1. Skin corrosion / irritation</td><td>Category 2</td></tr><tr><td>2. Serious eye damage/eye irritation</td><td>Category 2B</td></tr><tr><td>3. Skin Sensitization</td><td>Category 1</td></tr><tr><td>4. Specific target organ systematic toxicity – Single exposure</td><td>Category 3</td></tr><tr><td>5. Specific target organ systematic toxicity – Repeated exposure</td><td>Category 2</td></tr></table>	1. Skin corrosion / irritation	Category 2	2. Serious eye damage/eye irritation	Category 2B	3. Skin Sensitization	Category 1	4. Specific target organ systematic toxicity – Single exposure	Category 3	5. Specific target organ systematic toxicity – Repeated exposure	Category 2
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3. Skin Sensitization	Category 1									
4. Specific target organ systematic toxicity – Single exposure	Category 3									
5. Specific target organ systematic toxicity – Repeated exposure	Category 2									
The Most Important Hazards and effect Label element : <ul style="list-style-type: none"><li>■ Hazard symbol : Exclamation Mark, Health Hazard</li></ul> <div style="text-align: center;"></div> <ul style="list-style-type: none"><li>■ Signal word : Danger</li></ul> Hazard statement : <ol style="list-style-type: none"><li>1. May cause skin irritation</li><li>2. May cause eye irritation</li><li>3. May cause skin sensitization</li><li>4. Repeated or prolonged exposure to the substance can produce target organs damage</li><li>5. May cause respiratory irritation</li></ol> Precautionary statement : <ol style="list-style-type: none"><li>1. Keep work area clean. If swallowed, seek medical advice immediately.</li><li>2. Avoid contact with eyes and skin.</li><li>3. In case of contact, immediately flush with plenty of water, and get medical attention.</li><li>4. Wear appropriate protective clothing, impermeable gloves, safety glasses and a respirator.</li></ol> Others Hazard : --										

## Section 3 - Composition/Information On Ingredients

Pure Substance :

Chemical name : Butyl 4-Hydroxybenzoate
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Synonyms : 4-Hydroxybenzoic acid butyl ester; Butylparaben

CAS No. : 94-26-8

Ingredient contributing to the hazard(%) : 99%

## Section 4 - First Aid Measures

The First-aid Information :

- Inhalation : Remove to fresh air.
- Skin Contact : Flush skin with plenty of water. Remove contaminated clothing.
- Eye Contact : Immediately flush eyes with plenty of water, lifting lower and upper eyelids occasionally. If not feeling well, get medical attention.
- Ingestion : Drink a large quantity of water. If still not feeling well, get medical attention.

The Most Important Symptoms and Hazardous Effects : --

Protection of First-aiders : --

Notes to a Physician : --

## Section 5 - Fire Fighting Measures

Extinguishing Media : water, CO<sub>2</sub> , foam, powder

Specific Hazards when Fire-fight : Combustible. May emit hazardous combustible gases or vapors under fire conditions.

Specific Fire-fighting Procedure : no information available

Specific Protection of Firefighters : Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

## Section 6 - Accidental Release Measures

Personal Precautions : Avoid substance contact. Avoid generation of dusts; do not inhale dusts.

Environmental Precautions : --

Methods for Cleaning up :

1. Take up dry. Forward for disposal.
2. Clean up affected area. Avoid generation of dusts.

## Section 7 - Handling and Storage

Handling : No further requirements.

Storage : Keep container tightly closed in a dry, well-ventilated area.

## Section 8 - Exposure Controls & Personal Protection

Engineering measures : --



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Control parameters			
TWA	STEL	Ceiling	Biological standards
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Personal protective equipment : <ul style="list-style-type: none"> <li>■ Respiratory Protection : dust-proof mask.</li> <li>■ Hand Protection : rubber gloves.</li> <li>■ Eye Protection : safety glasses.</li> <li>■ Skin and Body Protection : Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.</li> </ul>			
Hygiene measures : <ol style="list-style-type: none"> <li>1. Change contaminated clothing.</li> <li>2. Wear protective mask, goggles, gloves, and protective clothing and boots.</li> <li>3. Smoking, eating and drinking are prohibited in work area. Wash hands thoroughly after handling.</li> </ol>			

## Section 9 - Physical & Chemical Properties

Appearance : solid, powder, fine crystalline	Odor : odorless
Color : white	Melting Point: 68-69°C
pH value : --	Boiling point/boiling range : 165°C
Flammability: --	Flash point : --
Decomposition temp : --	Test method : --
Auto ignition temp : 532°C	Explosion properties : --
Vapor pressure : --	Vapor density : --
Density : 1.28	Solubility : 0.3 g/l H <sub>2</sub> O (25°C)
log Kow : /	Evaporation Rate : --

## Section 10 - Stability & Reactivity Data

Stability : stable
Possible hazardous reactions under specific conditions : --
Conditions to avoid : --
Materials to avoid : --
Hazardous decomposition products : CO, CO <sub>2</sub>

## Section 11 - Toxicological Information

Route of exposure : Inhalation 、 Skin 、 Eye 、 Ingestion
Symptoms : irritation, coughing, rapid breathing etc.



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## Immediate Toxicity :

1. Skin : causes skin irritation and itchiness, and possibly allergic skin reactions
2. Inhalation : causes respiratory tract irritation; symptoms include coughing and rapid breathing
3. Eye : causes irritation, redness, and pain
4. Ingestion : may cause irritation to the gastrointestinal (GI) tract
  - LD<sub>50</sub>: 13200mg/Kg (Oral, Rat)
  - LC<sub>50</sub>: --

Specific effects : Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 12 - Ecological Information

### Ecotoxicology : --

- LC<sub>50</sub>(fish) : --
- EC<sub>50</sub>(Aquatic Invertebrates) : --
- Bioconcentration factor (BCF) : --

### Persistence and degradability : --

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

### Bioaccumulative potential : --

Mobility in soil : no information available

Other adverse effects : --

## Section 13 - Disposal Considerations

Methods of disposal : Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - MSDS Transport Information

UN classification number : --

Proper D.O.T Shipping Name : --

Hazard Class : --

Packing Group : --

Marine pollution : --

Specific precautionary transport measures and conditions : --



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## Section 15 - Regulatory Information

Regulations :
1. Regulations for Labor Safety and Healthy Installation
2. Regulations for Chemical Hazard Communication
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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Remarks	Symbols Explanations: "--" No information is available at this time. "/" Not applicable to this substance.		
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