

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: p-Hydroxybenzoic acid

CAS#: 99-96-7

Synonym:

Chemical Name: Not available.

Chemical Formula:

Molecular Weight: Not available

Composition and Information on Ingredients

Name	S.K.U	% by Weight
{p-}Hydroxybenzoic acid	GCS-9571	100

Hazards Identification

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: As with most organic solids, fire is possible at elevated temperatures. Special Remarks on Explosion Hazards: Not available.

Accidental Release Measures**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Handling and Storage**Precautions:**

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended Exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid Inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this Product.

Exposure Limits:

Not available

Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 138.12 g/mole

Color: White. Off-white.

PH (1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: 213°C (415.4°F) - 216 C

Critical Temperature: Not available.

Specific Gravity: 1.46 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Iconicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, and acetone.

Solubility:

Soluble in diethyl ether, acetone. Very slightly soluble in cold water. Soluble in about 125 parts water. Freely soluble in alcohol. Slightly soluble in chloroform. Practically insoluble in carbon disulfide.

Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature:
Not available.
Conditions of Instability: Excess heat, incompatible materials
Incompatibility with various substances: Reactive with oxidizing agents. Corrosively: Non-corrosive in presence of glass.
Special Remarks on Reactivity:
Not available.
Special Remarks on corrosively:
Not available. Polymerization:
Will not occur

Toxicological Information

Routes of Entry:
Inhalation. Ingestion.
Toxicity to Animals: Acute oral toxicity (LD50): 2200 mg/kg [Mouse].
Chronic Effects on Humans: May cause damage to the following organs:
Kidneys, liver.
Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals:
Not available.
Special Remarks on Chronic Effects on Humans:
Not available.
Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation and possible eye injury. Inhalation: Causes respiratory tract irritation. Ingestion: May cause digestive tract/gastrointestinal tract irritation with nausea, stomach Pain, sweating. Ingestion of large amounts may also affect behavior/central nervous system/peripheral nervous system (Muscle weakness, somnolence, ataxia, convulsions, flaccid paralysis (usually with neuromuscular blockage, and possibly Coma, cardiovascular collapse, and death), respiration (dyspnea, rapid breathing). Chronic Potential Health Effects: Ingestion: Prolonged or repeated ingestion may affect the liver, kidneys, and cause weight loss.

Toxicological Data on Ingredients: p-Hydroxybenzoic acid: ORAL (LD50): Acute: 2200 mg/kg [Mouse]. > 10000 mg/kg [Rat].

Ecological Information

Eco toxicity:
Not available.
BOD5 and COD:
Not available.
Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation:

The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation:

Not available.

Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Transformation Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Other Regulatory Information

Federal and State Regulations:

TSCA 8(b) inventory: p-

Hydroxybenzoic acid Other

Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the

European Inventory of Existing Commercial Chemical

Substances. Other Classifications:

WHMIS (Canada): CLASS D-2B: Material causing other toxic effects

(TOXIC). DSCL (EEC):

R36/37/38- Irritating to eyes, respiratory system and skin. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:
Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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