Material Safety Data Sheet
4-Hydroxybenzoic acid, 99%

MSDS# 96167

Section 1 - Chemical Product and Company Identification

MSDS Name: 4-Hydroxybenzoic acid, 99%
Catalog Numbers: AC120990000, AC120995000, 12099-0010, 12099-1000
Synonyms: 4-Carboxyphenol; p-Hydroxybenzoic acid; p-Salicylic acid

Company Identification:
Janssen Pharmaceuticaan 3a
2440 Geel, Belgium

Company Identification: (USA)
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 99-96-7
Chemical Name: 4-Hydroxybenzoic acid, 99%
%: 99.0
EINECS#: 202-804-9

Hazard Symbols: None listed
Risk Phrases: None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! May cause skin irritation. May cause severe eye irritation and possible injury. May cause respiratory and digestive tract irritation. Ingestion of high doses may cause systemic effects. Target Organs: None.

Potential Health Effects
Eye: May cause severe eye irritation. May result in corneal injury.
Skin: May cause skin irritation.
Ingestion: May cause irritation of the digestive tract. Ingestion of large amounts may cause systemic effects such as nausea, stomach pain, rapid breathing, sweating, convulsions, coma, cardiovascular collapse and possible death.
Inhalation: Dust is irritating to the respiratory tract. May cause effects similar to those described for ingestion.
Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If
breathing is difficult, give oxygen. Get medical aid.

Section 5 - Fire Fighting Measures

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:
- In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.
- Autoignition Temperature: Not available
- Flash Point: Not available
- Explosion Limits: Not available
  - Lower:
  - Upper:
- NFPA Rating: health: 1; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

Use proper personal protective equipment as indicated in Section 8.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Keep container closed when not in use.

Section 8 - Exposure Controls, Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Hydroxybenzoic acid</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
<tr>
<td>id, 99%</td>
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</tbody>
</table>

OSHA Vacated PELs: 4-Hydroxybenzoic acid, 99%: None listed

Engineering Controls:
Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: white to off-white

Odor: None reported.

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: @ 760.00mm Hg
Freezing/Melting Point: 215.00 - 217.00 deg C
Decomposition Temperature: Not available
Solubility in water: Slightly soluble
Specific Gravity/Density:
Molecular Formula: C7H6O3
Molecular Weight: 138.12

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, strong oxidants.
Incompatibilities with Other Materials: Not available
Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 99-96-7: DH1925000
RTECS: 
LD50/LC50:
CAS# 99-96-7: Oral, mouse: LD50 = 2200 mg/kg;
Oral, rat: LD50 = >10 gm/kg;

Carcinogenicity: 4-Hydroxybenzoic acid, 99% - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: Not available
Risk Phrases:
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 99-96-7: 1

Canada
CAS# 99-96-7 is listed on Canada's DSL List
Canadian WHMIS Classifications: Not available
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
CAS# 99-96-7 is not listed on Canada's Ingredient Disclosure List.

US Federal
TSCA
CAS# 99-96-7 is listed on the TSCA Inventory.

Section 16 - Other Information
MSDS Creation Date: 9/02/1997
Revision #5 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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REVIEWED

DATE: July 27/2012

Chichester