

MATERIAL SAFETY DATA SHEET
 4-Hydroxybenzaldehyde

Section 1 - Chemical Product and Company Identification

| | |
|---|--|
| MSDS Name: | 4-Hydroxybenzaldehyde |
| Catalog Numbers: | 16277-0000, 16277-0010, 16277-0500, 16277-2500 |
| Synonyms: | |
| Company Identification: | Acros Organics BVBA Janssen Pharmaceuticaaan 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# | Chemical Name: | % | EINECS# |
|----------|-----------------------|-----|-----------|
| 123-08-0 | 4-Hydroxybenzaldehyde | 99% | 204-599-1 |

Hazard Symbols: XI



Risk Phrases: 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin.

Potential Health Effects

| | |
|--------------------|---|
| Eye: | Causes eye irritation. |
| Skin: | Causes skin irritation. May be harmful if absorbed through the skin. |
| Ingestion: | May cause irritation of the digestive tract. May be harmful if swallowed. |
| Inhalation: | Causes respiratory tract irritation. May be harmful if inhaled. |
| Chronic: | |

Section 4 - First Aid Measures

| | |
|----------------------------|---|
| Eyes: | Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. |
| Skin: | Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. |
| Ingestion: | Get medical aid. Wash mouth out with water. |
| 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. |
| Notes to Physician: | Treat symptomatically and supportively. |

Section 5 - Fire Fighting Measures

| | |
|-----------------------------|--|
| General Information: | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. |
| Extinguishing Media: | Use water spray, dry chemical, carbon dioxide, or chemical foam. |

Section 6 - Accidental Release Measures

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|-----------------------------|---|
| General Information: | Use proper personal protective equipment as indicated in Section 8. |
| Spills/Leaks: | Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. |

Section 7 - Handling and Storage

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|------------------|--|
| Handling: | Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation. |
| Storage: | Store in a cool, dry place. Do not store in direct sunlight. Store in a tightly closed container. Store under nitrogen. |

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 123-08-0:

Personal Protective Equipment

| | |
|---------------------|---|
| Eyes: | Wear chemical splash goggles. |
| Skin: | Wear chemical splash goggles. Wear appropriate protective gloves to prevent skin exposure. |
| Clothing: | Wear appropriate protective clothing to prevent skin exposure. |
| Respirators: | Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a 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: | light brown - yellow |
| Odor: | Not available |
| pH: | Not available |

Vapor Pressure: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 114 - 118 deg C
Autoignition Temperature: Not available
Flash Point: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: 13 g/l (30°C)
Specific Gravity/Density:
Molecular Formula: C7H6O2
Molecular Weight: 122.12

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. Air sensitive. Sensitive to light.

Conditions to Avoid: Incompatible materials, light, exposure to air.

Incompatibilities with Other Materials Strong oxidizing agents, strong reducing agents, strong bases.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide.

Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 123-08-0: CU6475000

LD50/LC50: RTECS:
CAS# 123-08-0: Oral, mouse: LD50 = 2720 mg/kg;
Oral, rat: LD50 = 2250 mg/kg;

Carcinogenicity: 4-Hydroxybenzaldehyde - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

| | IATA | IMO | RID/ADR |
|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Shipping Name: | Not regulated as a hazardous material | Not regulated as a hazardous material | Not regulated as a hazardous material |
| Hazard Class: | | | |
| UN Number: | | | |
| Packing Group: | | | |

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 123-08-0: Not available

Canada

CAS# 123-08-0 is listed on Canada's DSL List

US Federal

TSCA

CAS# 123-08-0 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996

Revision #1 Date 2/19/2008

Revisions were made in Sections: 1, 2, 3, 5, 6, 7, 8, 9, 14

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