Material Safety Data Sheet
1,4-DIMETHOXYBENZENE, 99+%  

Section 1 - Chemical Product and Company Identification

MSDS Name: 1,4-DIMETHOXYBENZENE, 99+%  
Catalog Numbers: 11541-0000, 11541-0010, 11541-0050, 11541-1000, 11541-5000  
Synonyms: Hydroquinone dimethyl ether  
Company Identification: Acros Organics BVBA  
Janssen Pharmaceuticalaan 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  

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>150-78-7</td>
<td>1,4-DIMETHOXYBENZENE, 99+%</td>
<td>99+ 205-771-9</td>
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</table>

Hazard Symbols: XI  
Risk Phrases: 36/37/38  

Section 3 - Hazards Identification  

EMERGENCY OVERVIEW  
Irritating to eyes, respiratory system and skin.  
Potential Health Effects  
The toxicological properties of this substance have not been fully investigated.  

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.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately.

Notes to Physician:

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. 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.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. 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

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

CAS# 150-78-7:
Personal Protective Equipment
Eyes: Wear safety glasses and chemical goggles if splashing is possible.
Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Color: white
Odor: Not available
pH: Not available
Vapor Pressure: <0.1 hPa @ 20 C
Viscosity: 1.04 cp 65.00 deg
Boiling Point: 213 deg C @ 760.00mmHg (415.40°F)
Freezing/Melting Point: 54.00 - 58.00 deg C
Autoignition Temperature: > 450 deg C (> 842.00 deg F)
Flash Point: 98 deg C (208.40 deg F)
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: 0.8 g/l (20 c)
Specific Gravity/Density: 1.0530g/cm3
Molecular Formula: C8H10O2
Molecular Weight: 138.17

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization  Has not been reported.

Section 11 - Toxicological Information

RTECS#:  
CAS# 150-78-7: CZ6650000

RTECS:  
CAS# 150-78-7: Draize test, rabbit, skin: 6 gm/12D (Intermittent) Mild;  
Draize test, rabbit, skin: 500 mg/24H Moderate;  
LD50/LC50:  
Oral, mouse: LD50 = 4 gm/kg;  
Oral, mouse: LD50 = 2300 mg/kg;  
Oral, rat: LD50 = 3600 mg/kg;

1,4-DIMETHOXYBENZENE, 99+% - Not listed as a carcinogen by Carcinogenicity: 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

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<tr>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
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<tr>
<td>Not available</td>
<td>Not available</td>
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</table>

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 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 150-78-7: Not available

Canada
CAS# 150-78-7 is listed on Canada's DSL List

US Federal
TSCA
CAS# 150-78-7 is listed on the TSCA Inventory.

Section 16 - Other Information
MSDS Creation Date: 7/16/1996
Revision #0 Date Original.

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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