**Section 1 - Chemical Product and Company Identification**

**MSDS Name:** Dimethyl phthalate  
**Catalog Numbers:** 11664-0000, 11664-0010, 11664-0025, 11664-0050, 11664-2500, 22038-1000  
**Synonyms:** DMP; Dimethyl 1,2-benzenedicarboxylate  
**Company Identification:**  
- Acros Organics BVBA  
  Janssen Pharmaceuticaal 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>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>131-11-3</td>
<td>Dimethyl phthalate</td>
<td>99%</td>
<td>205-011-6</td>
</tr>
</tbody>
</table>

**Hazard Symbols:** None listed  
**Risk Phrases:** None listed

**Section 3 - Hazards Identification**

**EMERGENCY OVERVIEW**  
*Not available*

**Potential Health Effects**

**Eye:** May cause eye irritation.  
**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.  
**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.  
**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.  
**Chronic:** Prolonged or repeated exposure may cause nausea, dizziness, and headache.

**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. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

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### 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:** Water or foam may cause frothing. Use water spray to cool fire-exposed containers. Use water spray, dry chemical, carbon dioxide, or chemical foam.

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### Section 6 - Accidental Release Measures

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

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways.

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### Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

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### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

CAS# 131-11-3:
- United Kingdom, WEL - TWA: 5 mg/m3 TWA United Kingdom, WEL - STEL: 10 mg/m3 STEL
- United States OSHA: 5 mg/m3 TWA
- Belgium - TWA: 5 mg/m3 VLE
- France - VME: 5 mg/m3 VME
- Malaysia: 5 mg/m3 TWA
- Russia: 0.3 mg/m3 TWA (aerosol and vapour)
- Spain: 5 mg/m3 VLA-ED

**Personal Protective Equipment**

**Eyes:** Wear chemical splash goggles.

**Skin:** 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.

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### Section 9 - Physical and Chemical Properties

**Physical State:** Clear liquid

**Color:** APHA: 20 max

**Odor:** ester-like - aromatic odor

**pH:** Not available

**Vapor Pressure:** 0.008 mbar @20 deg C

**Viscosity:** 17 mPa.s @20 deg C
Boiling Point: 282 deg C @760mmHg (539.60°F)
Freezing/Melting Point: Not available
Autoignition Temperature: 460 deg C (860.00 deg F)
Flash Point: 150 deg C (302.00 deg F)
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: negligible
Specific Gravity/Density: 1.190
Molecular Formula: C10H10O4
Molecular Weight: 194.19

Section 10 - Stability and Reactivity

Chemical Stability: Stable.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Incompatible materials, acids, bases, nitrates.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 131-11-3: TI1575000
LD50/LC50: 
  RTECS:
    CAS# 131-11-3: Dermal, guinea pig: LD50 = >10 mL/kg;
    Draize test, rabbit, eye: 119 mg;
    Oral, mouse: LD50 = 6800 mg/kg;
    Oral, rabbit: LD50 = 4400 uL/kg;
    Oral, rat: LD50 = 6800 mg/kg;
    Skin, rabbit: LD50 = >20 mL/kg;
    Skin, rat: LD50 = >4800 mg/kg;
  Other:
  Carcinogenicity: Dimethyl phthalate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
  Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity:
  Daphnia: EC/LC50: 150 mg/l; 24H; acute
  Daphnia: EC/LC50: 33 mg/l; 48H; acute
  Bacteria: Pseudomonas putida: EC/LC50: >3000 mg/l; 17H
  Algae: EC/LC50: 204 mg/l; 72H;

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>Shipping Name:</th>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not regulated as a hazardous material</td>
<td>Not regulated as a hazardous material</td>
<td>Not regulated as a hazardous material</td>
</tr>
</tbody>
</table>
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# 131-11-3: 1
Canada
  CAS# 131-11-3 is listed on Canada's DSL List

US Federal

TSCA
  CAS# 131-11-3 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/26/1996
Revision #2 Date: 1/28/2008
Revisions were made in Sections: 1, 2, 9, 14

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.