Section 1 - Chemical Product and Company Identification

MSDS Name: Methyl Orange
Catalog Numbers: 15142-0000, 15142-1000, 15142-5000, 21519-0000, 21519-0500, 41465-0000, 41465-0250, 41466-0000, 41466-0100, 41466-0250
Synonyms: 4-[4-(Dimethylamino)phenylazo]benzenesulfonic acid, sodium salt; Acid Orange 52; C.I. 13025; MO; Helianthise

Company Identification:
Acros Organics BVBA
Janssen Pharmaceuticaalanaan 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>
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<tr>
<td>547-58-0</td>
<td>Methyl Orange</td>
<td>%</td>
<td>208-925-3</td>
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</table>

Hazard Symbols: T

Risk Phrases: 25

Section 3 - Hazards Identification

**EMERGENCY OVERVIEW**
Toxic if swallowed.

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. Toxic if swallowed.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:
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 immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid immediately. Wash mouth out with water.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**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.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

**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. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment.

Section 7 - Handling and Storage

**Handling:** Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.

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

Section 8 - Exposure Controls, Personal Protection

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

**Exposure Limits**

CAS# 547-58-0:

**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.

Section 9 - Physical and Chemical Properties

**Physical State:** Crystalline powder

**Color:** orange

**Odor:** Not available

**pH:** Not available

**Vapor Pressure:** Not available
**Viscosity:** Not available  
**Boiling Point:** Not available

**Freezing/Melting Point:** > 300 deg C (> 572.00°F)  
**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:** Soluble in hot water

**Specific Gravity/Density:**

**Molecular Formula:** C14H14N3NaO3S  
**Molecular Weight:** 327.32

### 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**  
Nitrogen oxides, carbon monoxide, carbon dioxide.

**Hazardous Polymerization**  
Will not occur.

### Section 11 - Toxicological Information

**RTECS#:** CAS# 547-58-0: DB6327000

**LD50/LC50:**

**Carcinogenicity:** Methyl Orange - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** The toxicological properties have not been fully investigated.

### Section 12 - Ecological Information

**Ecotoxicity:** Not available

**Other:** Do not empty into drains.  
log Pow: -0.66

### Section 13 - Disposal Considerations

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

### Section 14 - Transport Information

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<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
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</tbody>
</table>

**UN Number:** 3143

**Packing Group:** III

### Section 15 - Regulatory Information

**European/International Regulations**  
European Labeling in Accordance with EC Directives
Hazard Symbols: T
Risk Phrases:
   R 25 Toxic if swallowed.
Safety Phrases:
   S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)
   CAS# 547-58-0: 2

Canada
   CAS# 547-58-0 is listed on Canada's DSL List

US Federal
   TSCA
   CAS# 547-58-0 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996
Revision #1 Date 2/28/2008
Revisions were made in Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 14

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