Section 1 - Chemical Product and Company Identification

MSDS Name: Bromothymol Blue
Catalog Numbers: 15136-0000, 15136-0050, 15136-0250, 15136-1000, 40325-0000, 40325-0050, 40325-0100, 40325-0250
Synonyms: Bromthymol Blue; 3',3''-Dibromothymolsulfonephthalein; BTB
Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaalaaan 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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<tbody>
<tr>
<td>76-59-5</td>
<td>Bromothymol Blue</td>
<td>200-971-2</td>
<td></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:

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:**
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:**
Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment.

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### Section 7 - Handling and Storage

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

**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# 76-59-5:

**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:** Crystalline powder

**Color:** light pink - purple - brown

**Odor:** odorless

**pH:** Not available

**Vapor Pressure:** Not available

**Viscosity:** Not available

**Boiling Point:** Not available

**Freezing/Melting Point:** 204 deg C(decom)

**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: Slightly soluble
Specific Gravity/Density:
Molecular Formula: C27H28Br2O5S
Molecular Weight: 624.38

**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, oxides of sulfur, carbon dioxide, hydrogen bromide.
Hazardous Polymerization: Will not occur.

**Section 11 - Toxicological Information**
RTECS#: CAS# 76-59-5: SJ7450000
LD50/LC50: RTECS: Not available.
Carcinogenicity: Bromothymol Blue - 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**
<table>
<thead>
<tr>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
</tr>
</thead>
<tbody>
<tr>
<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# 76-59-5: Not available
Canada
CAS# 76-59-5 is listed on Canada's DSL List
US Federal
TSCA
CAS# 76-59-5 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 10/09/1996
Revision #1 Date 9/04/2006
Revisions were made in Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 11,

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