Bromothymol Blue, Sodium Salt

SECTION 1: Identification of the substance/mixture and of the supplier

Product name: Bromothymol Blue, Sodium Salt

Manufacturer/Supplier Trade name: 

Manufacturer/Supplier Article number: S25206

Recommended uses of the product and uses restrictions on use:

Manufacturer Details:
AquaPhoenix Scientific
9 Barnhart Drive, Hanover, PA 17331

Supplier Details:
Fisher Science Education
15 Jet View Drive, Rochester, NY 14624

Emergency telephone number:
Fisher Science Education    Emergency Telephone No.: 800-535-5053

SECTION 2: Hazards identification

Classification of the substance or mixture:
Not classified for physical or health hazards under GHS.

Hazard statements:

Precautionary statements:
Combustible Dust Hazard: 
May form combustible dust concentrations in air (during processing).

Other Non-GHS Classification:

<table>
<thead>
<tr>
<th>NFPA SCALE (0-4)</th>
<th>HMIS RATINGS (0-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredients:</th>
<th>Bromothymol Blue, Sodium Salt</th>
<th>100 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS 34722-90-2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Loosen clothing as necessary and position individual in a comfortable position. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Seek medical attention if irritation persists or if concerned.

After skin contact: Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists or if concerned.

After eye contact: Protect unexposed eye. Rinse or flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Immediately get medical assistance.

After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Dilute mouth with water or milk after rinsing. Get medical assistance.

Most important symptoms and effects, both acute and delayed:

- Shortness of breath
- Irritation
- Nausea
- Headache

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician.

SECTION 5 : Firefighting measures

Extinguishing media

Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

For safety reasons unsuitable extinguishing agents:

Special hazards arising from the substance or mixture:

Advice for firefighters:

- Protective equipment: Wear protective eyeware, gloves, and clothing. Refer to Section 8.
- Additional information (precautions): Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing.

SECTION 6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Normal ventilation is adequate.

Environmental precautions:

Methods and material for containment and cleaning up:

Follow advice and precautions. Refer to Section 5. Follow proper disposal methods. Refer to Section 13. Follow Chemical Hygiene Plan. If necessary use trained response staff or contractor. Absorb with suitable absorbent material such as sand or earth and containerize for disposal.

Reference to other sections:

SECTION 7 : Handling and storage

Precautions for safe handling:

Wash hands after handling. Follow advice and precautions. Refer to Section 5. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Do not eat, drink, smoke, or use personal products when handling chemical substances. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
Conditions for safe storage, including any incompatibilities:
Keep container tightly closed in a cool, dry, and well-ventilated area. Protect from freezing and physical damage.

SECTION 8 : Exposure controls/personal protection

Control Parameters: 34722-90-2, Bromothymol Blue Sodium Salt, ACGIH TLV: NA, OSHA PEL: NA
Appropriate Engineering controls: Ensure that dust-handling systems (exhaust ducts, dust collectors, vessels, and processing equipment) are designed to prevent the escape of dust into the work area. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Respiratory protection: Not required under normal conditions of use.
Protection of skin: Wear protective clothing. Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Eye protection: Safety glasses with side shields or goggles.
General hygienic measures: Avoid contact with skin, eyes, and clothing. Wash hands and exposed skin with soap and plenty of water. Wash hands before breaks and immediately after handling the product. Dust deposits should not be allowed to accumulate on surfaces. Dust may form an explosive mixture if sufficient concentration is released into the atmosphere. Before wearing wash contaminated clothing.

SECTION 9 : Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (physical state, color)</td>
<td>Orange-black crystalline powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting/Freezing point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flash point (closed cup)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Explosion limit lower</td>
<td>Non Explosive</td>
</tr>
<tr>
<td>Explosion limit upper</td>
<td>Non Explosive</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Solubilities</td>
<td>Infinite solubility</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Auto/Self-ignition temperature</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>a. Kinematic</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>b. Dynamic</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Density: Not Applicable

SECTION 10 : Stability and reactivity

Reactivity: None under normal processing.
Chemical stability: Stable under normal conditions.
Possible hazardous reactions: None identified.
Conditions to avoid: None under normal processing.
Incompatible materials: None identified.
Hazardous decomposition products: None expected.

SECTION 11 : Toxicological information

Acute Toxicity: No additional information.
Chronic Toxicity: No additional information.
Corrosion Irritation: No additional information.
Sensitization: No additional information.
Single Target Organ (STOT): No additional information.
Numerical Measures: No additional information.
Carcinogenicity: No additional information.
Mutagenicity: No additional information.
Reproductive Toxicity: No additional information.

SECTION 12 : Ecological information

Ecotoxicity Persistence and degradability: 
Bioaccumulative potential: 
Mobility in soil: 
Other adverse effects:

SECTION 13 : Disposal considerations

Waste disposal recommendations:
Absorb with suitable material. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Consult federal, state, provincial, and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product. Dispose of empty containers as unused product.

SECTION 14 : Transport information

UN-Number
UN proper shipping name
Transport hazard class(es)
Bromothymol Blue, Sodium Salt

Packing group:
Environmental hazard:
Transport in bulk:
Special precautions for user:

**SECTION 15 : Regulatory information**

**United States (USA)**

- **SARA Section 311/312 (Specific toxic chemical listings):** None of the ingredients is listed
- **SARA Section 313 (Specific toxic chemical listings):** None of the ingredients is listed
- **RCRA (hazardous waste code):** None of the ingredients is listed
- **TSCA (Toxic Substances Control Act):** All ingredients are listed.
- **CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):** None of the ingredients is listed

**Proposition 65 (California):**

- **Chemicals known to cause cancer:** None of the ingredients is listed
- **Chemicals known to cause reproductive toxicity for females:** None of the ingredients is listed
- **Chemicals known to cause reproductive toxicity for males:** None of the ingredients is listed
- **Chemicals known to cause developmental toxicity:** None of the ingredients is listed

**Canada**

- **Canadian Domestic Substances List (DSL):** All ingredients are listed.
- **Canadian NPRI Ingredient Disclosure list (limit 0.1%):** None of the ingredients is listed
- **Canadian NPRI Ingredient Disclosure list (limit 1%):** None of the ingredients is listed

**SECTION 16 : Other information**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this
material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**GHS Full Text Phrases:**

**Abbreviations and acronyms:**
- IMDG: International Maritime Code for Dangerous Goods
- PNEC: Predicted No-Effect Concentration (REACH)
- CFR: Code of Federal Regulations (USA)
- SARA: Superfund Amendments and Reauthorization Act (USA)
- RCRA: Resource Conservation and Recovery Act (USA)
- TSCA: Toxic Substances Control Act (USA)
- NPRI: National Pollutant Release Inventory (Canada)
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- WHMIS: Workplace Hazardous Materials Information System (Canada)
- DNEL: Derived No-Effect Level (REACH)

**Effective date:** 12.28.2014

**Last updated:** 03.19.2015