



BIOPHARM INC.

SAFETY DATA SHEET

1. Identification:

Product Identifier: Bromothymol Blue, 0.04% Aqueous
Product code: BB4026
Synonym(s): Bromothymol Blue 0.04%
pH 6.0 = Yellow pH 7.6 = Blue
Recommended use: Manufacture of other chemical products, professional, scientific, and technical activities.
Recommended restrictions: None known.

Manufacturer/Supplier/Distributor Information

Company name: Biopharm Inc.
Address: 187 South Tilley Road
Hatfield, AR 71945
Telephone: (870) 389-6114
Website: www.bphchem.com
E-mail: support@bphchem.com
Emergency phone number: Chemtrec 800-424-9300

2. Hazard(s) identification:

Classification: Not classified.

Label elements: Not classified as a hazardous chemical.

Hazard statement: None under normal conditions.

Precautionary statement:

Prevention Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment. Avoid breathing vapor. Use with adequate ventilation. Avoid prolonged or repeated exposure.
Response Get medical attention/advice if you feel unwell
Storage Store bottles tightly capped and upright. Store in well-ventilated place.
Disposal To be performed in compliance with all current local, state and federal regulations. Spills onto sand, soil, or other absorbent may be handled by placing the affected soil into approved containers then label and store for proper treatment or disposal.

Hazard(s) not otherwise classified (HNOC): None identified.

Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Bromothymol Blue, Sodium Salt, ACS	34722-90-2	0.04
Water	7732-18-5	99.96

4. First-aid measures

Inhalation:	Allow victim to breathe fresh air. Allow the victim to rest.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Skin contact:	Remove affected clothing and wash all exposed skin with mild soap and water, followed by warm water rinse.
Eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Most important symptoms/effects, acute and delayed:	No information available.
General information:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)

5. Fire-fighting measures

Suitable extinguishing media:	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media:	Do not use a heavy stream of water.
Specific hazards arising from the chemical	No additional information available.
Special protective equipment and precautions for firefighters	Do not enter fire area without proper protective equipment, including respiratory protection.
Fire-fighting equipment/instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	Wear safety glasses and gloves. Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area.
Methods and materials for containment and cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

7. Handling and storage

Precautions for safe handling:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
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Conditions for safe storage, including any incompatibilities:	Keep container closed when not in use. Strong oxidizers. Sources of ignition. Direct sunlight.
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8. Exposure controls/personal protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering measures: Emergency eye wash fountains should be available in the immediate vicinity of an y potential exposure.

Personal protective equipment:

Eye/face protection: Chemical goggles or safety glasses.

Skin and body protection: Wear protective gloves.

Respiratory protection: Respiratory protection not required in normal conditions.

Hygiene measures: Do not eat, drink, or smoke during use.

9. Physical and chemical properties

Appearance: Liquid, Dark Green

Odor: Odorless

Odor threshold: No data available

Vapor Pressure (mm Hg): No data available

Vapor density (Air = 1): No data available

pH: No data available

Relative density: No data available

Melting point/freezing point: No data available

Solubility in Water: Complete

Boiling Point (°F): No data available

Flash point: No data available

Evaporative Rate (H₂O = 1): No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits

Flammability limit - lower No data available

Flammability limit - upper No data available

Explosive limit - lower No data available

Explosive limit - upper No data available

Partition coefficient: n-octanol/water No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Other information:

Specific Gravity (H₂O = 1): 1 g/ml
Percent Volatile by Volume: No data available

10. Stability and reactivity

Reactivity: None known based on information available.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Not established.
Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
Incompatible materials: Strong oxidizers.
Hazardous decomposition products: Nitrogen oxides. Carbon monoxide. Carbon dioxide.

11. Toxicological information

Information on likely routes of exposure:

Ingestion: Not classified.
Inhalation: Not classified.
Skin Contact: Not classified.
Eye Contact: Not classified.

Information on toxicological effects No information available.

Acute toxicity Not classified.

<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Bromothymol Blue	No data available	No data available	No data available
Water	No data available	No data available	No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Not classified.
Serious eye damage/irritation Not classified.
Respiratory Sensitization Not classified.
Skin sensitization Not classified.
Carcinogenicity Not classified.
Mutagenic effects Not classified.
Reproductive effects Not classified.
STOT – single exposure Not classified.
STOT – repeated exposure Not classified.

Aspiration hazard	Not classified.
Chronic effects	Not classified.

12. Ecological information

Ecotoxicity:	No additional information available.
Persistence and degradability:	No data available
Bioaccumulation/ Accumulation:	No data available
Mobility in soil:	No data available
Other adverse effects:	Avoid release into the environment.

13. Disposal considerations

Waste disposal methods:	Dispose in a safe manner in accordance with local/ national regulations. Avoid release into the environment.
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14. Transport information

DOT:	Not regulated as dangerous goods.
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15. Regulatory information

U.S. Federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not applicable

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories	Immediate Hazard – No
	Delayed Hazard – No
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard – No

Other Federal regulations

Clean Air Act	Not applicable
Clean Water Act	Not applicable
California Prop 65	This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

Creation date	July 10, 2017
Disclaimer	The statements contained herein are offered as informational data only and are believed to be correct. However, this product should be handled by persons having related technical skills, and at their own discretion and risk. Since seller has no control over the use of this product, no warranty, expressed or implied, is made and seller assumes no liability in connection with any use of this information or from contact and/or handling of this product.

