

**SECTION I NAME**  
**BROMOTHYMOL BLUE, WATER SOLUTION**

**Product**  
 Bromothymol Blue pH Indicator

**Chemical Synonyms**  
 Mixture. See Section II.

**Formula**  
 up to 4 Lt.

**Unit Size**  
 Mixture. See Section II.

**C.A.S. No.**

**SECTION II INGREDIENTS OF MIXTURES**

Principal Component(s)	%	TLV Units
Bromothymol Blue, Sodium Salt (CAS No. 34722-90-2)	0.04-1.0	None established.
Water: CAS No. 7732-18-5	99-99.9	None established.

**CAUTION! MAY BE HARMFUL IF SWALLOWED.**

**MAY CAUSE IRRITATION.**

**SECTION III PHYSICAL DATA**

Melting Point (°F)	Freezes approx. 0°C (32°F).
Boiling Point (°F)	Approx. 100°C (212°F).
Vapor Pressure (mm Hg)	14 (water)
Vapor Density (Air=1)	0.7 (water)
Solubility in Water	Complete.
Appearance & Odor	Blue-Green liquid; no odor.

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used)	Non-flammable (NA).
Extinguisher Media	Use any media suitable for extinguishing supporting fire.

**SPECIAL FIREFIGHTING PROCEDURES**

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

In fire conditions resulting in the evaporation of the water of solution hazardous decomposition products may be produced as dust or fume.

**D.O.T.** **NON-REGULATED.**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

**SECTION V THRESHOLD LIMIT VALUE DATA**

**Threshold Limited Value**  
 None established. (ACGIH 1992-93).

**Effects of Overexposure**  
 May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**

**INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Call physician immediately. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **INHALATION AS MIST:** Remove to fresh air. If illness or discomfort develops, get medical attention.

**SECTION VI REACTIVITY DATA**

<b>Stability</b>	Unstable	X
<b>Conditions to Avoid</b>	Protect from light. Excessive temperature and heat.	
<b>Incompatibility (Materials to Avoid)</b>	Strong oxidizers.	

**Hazardous Decomposition Products**  
 Combustion will produce carbon dioxide and probably emits toxic fumes of oxides of sulfur and bromides.

**Conditions to Avoid**  
 Not applicable.

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled**  
 Absorb in vermiculite. Scoop up and place in a suitable container.

**Waste Disposal Method**  
 Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved incinerator or contract with a licensed chemical waste disposal agency.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

<b>Ventilation</b>	Local Exhaust	Not required.	Special	No.
	Mechanical (General)	Not required.	Other	No.
<b>Protective Gloves</b>	Rubber.		<b>Eye Protection</b>	Chemical safety glasses.
<b>Other Protective Equipment</b>	Goggles, smock, apron, proper gloves, eye wash station.			

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing**  
 Store in a cool, dry place and protect from light. Wash thoroughly after handling.

**Other Precautions**  
 Read label on container before using. Do not wear contact lenses when working with chemicals. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

**Revision No. 4** **Date 12/19/95** **Approved Michael Raszejka** **Chemical Safety Coordinator** **MR**

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