



## Material Safety Data Sheet

### Bromothymol Blue, 0.04% Aqueous

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Bromothymol Blue, 0.04% Aqueous

**Catalog Numbers:**

LC12050

**Synonyms:**

None

**Company Identification:**

LabChem, Inc.  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

#### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
34722-90-2	Bromothymol blue, sodium salt	0.04

#### Section 3 - Hazards Identification

##### Emergency Overview

**Appearance:** Dark green liquid**Caution.** This is expected to be a low hazard for usual industrial handling, but has not been fully investigated.**Target Organs:** None known.**Potential Health Effects****Eye:**

May cause mild eye irritation.

**Skin:**

May cause mild skin irritation.

**Ingestion:**

May cause mild digestive tract irritation.

**Inhalation:**

Low hazard for usual industrial handling.

**Chronic:**

May cause dermatitis and conjunctivitis.



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### Section 4 - First Aid Measures

**Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

**Skin:**

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

**Ingestion:**

Get medical aid at once. If victim is conscious, give 2-4 glasses of water.

**Inhalation:**

Move victim to fresh air. Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest.

**Notes to Physician:**

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:**

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible; avoid breathing vapors or dust.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

CAS# 7732-18-5: H-0, F-0, I-0.

CAS# 34722-90-2: Not published.

**Explosion Limits:**

Lower: n/a      Upper: n/a

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in suitable containers labeled for later disposal.



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### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

**Storage:**

Store capped at room temperature. Protect from heat and incompatibles.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Provide local exhaust or general dilution ventilation.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Bromothymol blue, sodium salt	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

**OSHA Vacated PELs:****Personal Protective Equipment****Eyes:**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety 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 irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

**Physical State:** Clear liquid

**Color:** Dark green

**Odor:** Odorless

**pH:** No information found.

**Vapor Pressure:** 14mm Hg @20°C

**Vapor Density:** > air

**Evaporation Rate:** < ether

**Viscosity:** No information found.

**Boiling Point:** > 212°F (> 100.00°C)



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**Freezing/Melting Point:** < 32°F (< 0.00°C)  
**Decomposition Temperature:** No information found.  
**Solubility in water:** Soluble.  
**Specific Gravity/Density:** 1.0  
**Molecular Formula:** No information found.  
**Molecular Weight:** No information found.

### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures up to boiling point.

**Conditions to Avoid:**

Incompatible materials.

**Incompatibilities with Other Materials:**

Keep away from strong oxidizers.

**Hazardous Decomposition Products:**

Carbon monoxide, oxides of sulfur, carbon dioxide, hydrogen bromide.

**Hazardous Polymerization:**

Has not been reported.

### Section 11 - Toxicological Information

**RTECS:**

CAS# 7732-18-5: ZC0110000.

CAS# 34722-90-2: unlisted.

**LD50/LC50:**

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 34722-90-2:

No information found.

**Carcinogenicity:**

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 34722-90-2: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**Epidemiology:**

No information found.

**Teratogenicity:**

No information found.

**Reproductive:**

No information found.

**Mutagenicity:**

No information found.

**Neurotoxicity:**

No information found.

### Section 12 - Ecological Information

No information found.



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**Section 13 - Disposal Considerations**

Dispose of in accordance with Federal, State, and local regulations.

**Section 14 - Transport Information**

**US DOT**

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**

**Section 15 - Regulatory Information**

**US Federal**

**TSCA:**

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 34722-90-2 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ):**

None of the components are on this list.

**CERCLA/SARA Section 313:**

None of the components are on this list.

**OSHA - Highly Hazardous:**

None of the components are on this list.

**US State**

**State Right to Know:**

Not listed.

**California Regulations:**

None.

**European/International Regulations**

**Canadian DSL/NDSL:**

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 34722-90-2 is listed on Canada's DSL List.

**Canada Ingredient Disclosure List:**

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 34722-90-2 is not listed on Canada's Ingredient Disclosure List.

**Section 16 - Other Information**

MSDS Creation Date: August 30, 1998

Revision Date: September 21, 2009



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