



MATERIAL SAFETY DATA SHEET

MSDS No: 0009,001,00
Revision Date: December 16, 2011
Approved by: Dariusz Nitcopon

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Ronkonkoma, NY 11779
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Section 1 Chemical Product and Company Name

Product	BROMOTHYMOLO BLUE, 0.1%	ITEM No: FA-1-18E
Synonyms	Bromothymol blue	
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

Section 2 Composition/Ingredients Information

Chemical Name	CAS#	%	TLV Units
Water	7732-18-5	99.9%	None established
Bromothymol blue	34722-90-2	0.1%	None established

Section 3 Hazards Identification

Considered nonhazardous. However all health aspects of this substance have not been thoroughly investigated.

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	<table><tr><td>Health</td><td>0</td></tr><tr><td>Flammability</td><td>0</td></tr><tr><td>Physical Hazard</td><td>0</td></tr><tr><td>Personal Protection</td><td>C</td></tr></table>	Health	0	Flammability	0	Physical Hazard	0	Personal Protection	C
Health	0								
Flammability	0								
Physical Hazard	0								
Personal Protection	C								

HMIS

Section 4 First Aid Measures

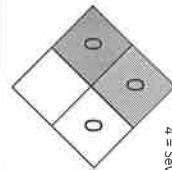
INGESTION: Never give anything by mouth to unconscious person. Rinse mouth and get a conscious person drink a glass of milk or water. Get medical attention.
INHALATION: Remove to fresh air. Get medical attention if necessary.
EYE CONTACT: Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention if irritation develops.
SKIN CONTACT: Remove contaminated clothing. Flush thoroughly with mild soap and water. Get medical attention if irritation develops.

Section 5 Fire Fighting Measures

Nonflammable liquid.

Extinguishing Media: Use Triclass, dry chemical extinguisher for surrounding fires. Firefighters should use a self-contained breathing apparatus and protective clothing.

Flash point: N/A
Autoignition temperature: N/A
Explosion limits: Lower: N/A
Upper: N/A



Section 6 Accidental Release Measures

Restrict unprotected personnel from the area. Contain the spill with an inert absorbent material and deposit in a sealed bag or container. For small spill use paper towel. Place the medium in trash. Ventilate and wash spill area with soap and water.

Section 7 Handling and Storage

Read the label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision.
Handling: Use with adequate ventilation. Wash hands thoroughly after handling.
Storage: Keep container in cool, well-ventilated area.

Section 8 Exposure Controls/ Personal Protection

Engineering controls: Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.
Respiratory protection: Non should be needed if normal laboratory handling at room temperature.

Section 9 Physical and Chemical Properties

Physical state: Liquid
Appearance: Blue.
Odor: none.
pH: not available
Vapor Pressure (mm Hg): 2.3kPa at 20°C
Vapor Density: the highest known is 0.62
Evaporation Rate: 3.1
Viscosity: not available

Boiling point: The lowest know is 100°C
Melting point: not available
Freezing point: 0°C/32°F
Decomposition temp: not available
Solubility: Miscible in water.
Specific gravity (H₂O = 1): 1 at 20°C
Percent volatile (%): not available
Molecular formula: Mixture
Molecular weight: Mixture

Section 10 Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid: High temperatures.
Incompatibilities: not available.
Hazardous decomposition: not available.
Hazardous polymerization: Will not occur.

Section 11 Toxicological Information

Effects of overexposure: not available . It will stain skin and clothing.

Acute oral toxicity LD₅₀: not available.

Acute dermal toxicity LD₅₀ not available.

Acute vapor toxicity LC₅₀: not available

Section 12 Ecological Information

Data not available.

Section 13 Disposal Considerations

Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.

Section 14 Transport Information

UN number: N/A
Shipping name: not regulated
Hazard Class: N/A
Packing group: N/A
Exceptions: Ltd Qty. N/A

Section 15 Regulatory Information

TSCA-listed

Section 16 Other Information

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