

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION

Product Number	020-5567
Product Name	Bromothymol Blue 0.04% w/v Aqueous
Trade /Chemical Synonyms	
Formula	Not Applicable
RTECS	None
C.A.S. #	See below

Health:	1
Flammability:	0
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4	
NA = Not Applicable NE = Not Established	

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	None required
Ventilation:	Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/>
Protective Gloves:	Gloves to prevent exposure
Eye Protection:	Splash Goggles
Other Protective Equipment:	Use safe laboratory handling procedures.

SECTION 2 MIXTURE COMPONENTS

Sara 313	Component	CAS Number	%	Dim.	Exposure Limits:
<input type="checkbox"/>	Bromothymol Blue	CAS# 76-59-5	0.04%	W/V	None established
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	<0.1%	V/V	OSHA PEL 2 mg/m ³ ACGIH 2mg
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SECTION 4 FIRST AID MEASURES

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: None

Fire Fighting Procedure:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	< 5 °C	Percent Volatile by Volume:	> 99
Boiling Point:	> 95 °C	Evaporation Rate:	1
Vapor Pressure:	Information not available	Evaporation Standard:	Water = 1
Vapor Density:	Information not available	Auto Ignition Temp:	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air:	Not applicable
Appearance /Odors:	Clear, blue, odorless liquid	Upper Flamm. Limit in Air:	Not applicable
Flash Point:	Not applicable		
Specific Gravity:	~ 1		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Avoid contact with incompatible materials.
Materials to Avoid:	Concentrated Acids and Bases, Water reactive materials.
Hazardous Decomposition Products:	None known
Hazardous polymerization	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 ADDITIONAL INFORMATION

Conditions aggravated/target organs: Persons with preexisting skin, eye or respiratory conditions may be more susceptible. Acute: Possible skin and eye irritant. Chronic: None known

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

Rev. No: 0 Date Entered: 9/1/2005 Approved: WPF Safety Dir.: WPF