

**MATERIAL SAFETY DATA SHEET**

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PRODUCT NUMBER: B7114, B7416  
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**SECTION I - IDENTIFICATION**

CHEMICAL NAME: Bromothymol Blue Solution  
TRADE NAMES OR SYNONYMS:  
CHEMICAL FAMILY: Aqueous Solution  
FORMULA: Bromothymol Blue NaOH + Water

**SECTION II - HAZARDOUS INGREDIENTS****%****TLV**

NA = not applicable

\*TLV NOT AVAILABLE

**SECTION III - PHYSICAL DATA**

BOILING POINT (\*F): NA  
VAPOR PRESSURE (mm Hg): NA (water vapor only)  
VAPOR DENSITY (AIR = 1): NA  
SOLUBILITY IN WATER: 100%  
SPECIFIC GRAVITY: NA  
PERCENTAGE VOLATILE BY VOLUME: NA (water vapor only)  
EVAPORATION RATE (\_\_\_\_\_ = 1): NA  
APPEARANCE AND ODOR: Colored aqueous solution

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FIRE AND EXPLOSION HAZARD SUMMARY: Non-flammable aqueous solution.

FLASH POINT: ( NA CLOSED CUP) (\_\_\_\_\_ OPEN CUP) FLAMMABLE LIMITS: LEL = UEL =

EXTINGUISHING MEDIA: Any suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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**SECTION V - HEALTH HAZARD DATA**

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HEALTH HAZARD SUMMARY: No health hazard. May stain skin, avoid contact with eyes, do not ingest.

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THRESHOLD LIMIT VALUE: None established

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SKIN, EFFECTS OF OVEREXPOSURE: May stain skin.

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SKIN, FIRST AID PROCEDURES: Wash with soap and water.

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EYES, EFFECTS OF OVEREXPOSURE: May stain or irritate eyes.

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EYES, FIRST AID PROCEDURES: Flush with water immediately.

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INHALATION, EFFECTS OF OVEREXPOSURE: None

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INHALATION, FIRST AID PROCEDURES:

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INGESTION, EFFECTS OF OVEREXPOSURE: Relatively non toxic.

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INGESTION, FIRST AID PROCEDURES: Give water, induce vomiting.

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**SECTION VI - REACTIVITY DATA**

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STABILITY: ☒ STABLE ☐ UNSTABLE

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CONDITIONS TO AVOID: Strong heat.

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INCOMPATIBILITY: Strong acids or bases, oxidizers.

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HAZARDOUS DECOMPOSITION PRODUCTS: None known.

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BROMOTHYMOL BLUE SOLUTION

HAZARDOUS POLYMERIZATION: ☐ WILL OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID: None

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wash area soap and water.

WASTE DISPOSAL METHOD: Flush down drain with plenty of water.

This disposal method is a recommendation only. Be sure to dispose of materials in full accordance with all local, state, and federal regulations applicable.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required

VENTILATION: General

PROTECTIVE GLOVES: Vinyl to protect skin

EYE PROTECTION: Splash goggles or safety glasses

OTHER PROTECTIVE EQUIPMENT: Lab apron to protect clothing

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

OTHER PRECAUTIONS:

We recommend obtaining a copy of the "Directory of Poison Control Centers." To obtain a copy write: Superintendent of Documents, U.S. Government Printing Office, Washington D.C.

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