

111 + 113

Smith Science C111

Material Safety Data Sheet

Section 1: Company and Product Identification

Scholar[™]
Chemistry

(866) 260-0501

Manufactured by:
Columbus Chemical Industries, Inc.
N4335 Temkin Rd.
Columbus, WI 53925
TEL: (829) 623-2140

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC 800-424-9300

HAZARD RATING

4- EXTREME	HEALTH	1
3- SEVERE		
2- MODERATE	FLAMMABILITY	0
1- SLIGHT		
0- MINIMAL	REACTIVITY	0

Product Name Bromothymol Blue Solution, 0.04%

Material UsesNot available.

Product No. 9447004, 9447006, 9447007

Synonyms Not available.

CAS 34722-90-2

Formula C₂₇H₂₇Br₂O₅SNa

Section 2: Hazardous Ingredients

Product Name

CAS

Conc (%)

PIN

1) Bromothymol blue, sodium salt

34722-90-2

0.04

N/A

2) Water (Non-hazardous)

7732-18-5

99.96

N/A

For Exposure Limits (TLV, PEL), LD50 and LC50 see section 5 of this document.

* Chemical subject to the reporting of SARA Title III.

Section 3: Physical Data

Appearance	Liquid.	Odor Threshold	Not available.
Color	Blue.	Vapor Pressure	Not available.
Odor	Odorless.	Evaporation Rate (Reference solvent)	Not available.
Specific Gravity (Water = 1)	1 (Water = 1)	Vapor Density (Air = 1)	Not available.
Melting Point	0°C (32°F)	Percent Volatile by Volume	100% (v/v).
Boiling Point	100°C (212°F)	pH (1% water soln)	Not available.
Water/Oil Dist. Coeff.	Not available.	Solubility	Miscible in water.

Section 4: Fire and Explosion Hazard Data

Flash Point (Methods)	Not applicable.	Autoignition Temp.	Not applicable.
Flammable Limits in Air by Volume	Not applicable.		
Flammability	Not applicable.		

Explosion Hazard Not available.

Haz. Comb. Prod. Toxic fumes of oxides of sulfur may be produce in fire.

Means of
Extinction Use extinguishing media suitable for surrounding materials.

Special Fire Fighting Procedures

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Unusual Fire and Explosion Hazards

Not available.

Section 5: Health Hazard Data

Exposure Limits
(P.E.L., TLV, etc.) Not available.

Acute Effects Slightly hazardous in case of eye contact (irritant).

Routes of Entry Not available.

LD50/LC50

LD50: Not available.

LC50: Not available.

Effects of Overexposure

Repeated or prolonged exposure is not known to aggravate medical condition.

Emergency and First Aid Procedures

SKIN: Wash contaminated skin with soap and water. EYES: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. INHALATION: Move exposed person to fresh air. If irritation persists, get medical attention. INGESTION: If affected person is conscious, give plenty of water to drink. Induce vomiting by touching the back of throat with fingers. Seek medical attention.

Section 6: Reactivity Data

Stability The product is stable. **Instability Temp.** Not available.

Incompatibility Reactive with reducing agents, alkalis. Slightly reactive to reactive with oxidizing agents.

Degradation Prod. These products are carbon oxides (CO, CO₂) and water, sulfur oxides (SO₂, SO₃...), halogenated compounds. Some metallic oxides. **Hazardous polymerization?** Will not occur.

Materials to Avoid Not available.

Section 7: Spill or Leak Procedures

Spill Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 8: Protection Equipment Information

Equipment Safety glasses. Lab coat.

Engineering
Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Section 9: Other Information

Special Precautions Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 4).

Read label on container before using. Do not wear contact lenses when working with chemicals.

Verified by S. Quandt

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

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