

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** Bromophenol Blue.  
**Catalogue Number:** C087  
**Other Names:** 3',3'',5',5''-tetrabromophenolsulfonphthalein; Bromophenol Blue (BPB), Bromphenol Blue Sultone Form.  
**Recommended Use:** Used as an acid-base indicator, a colour marker and a dye.

**Supplier Name:** ProSciTech  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)  
**Emergency Contact:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

## SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:**  
Not classified as hazardous according to criteria for Classifying Hazardous Substances [NOHSC:1008].  
**Hazardous and/or Dangerous Nature:**  
NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.  
**Risk Phrases:** Not available.  
**Safety Phrases:** Not available.

*Refer to Section 15 for Poisons Schedule.*

## SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

**Pure Substance (Proportion 100%):**  
**Chemical Identity:** Bromophenol Blue  
**CAS Number:** 115-39-9

## SECTION 4 - FIRST AID MEASURES

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.  
**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
**Eye Contact:** Flush eyes with water as a precaution.  
**Skin Contact:** Wash off with soap and plenty of water.  
**First Aid Facilities:** Eyebath/eyewash, Safety shower & general washroom facilities.  
**Medical Attention & Special Treatment:**  
Treat symptomatically and supportively.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Hazards from Combustion Products:**  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Hydrogen bromide gas.  
**Precautions for Fire Fighters:**  
Wear self contained breathing apparatus for fire fighting if necessary.  
**Hazchem Code:** Not available.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Containment & Clean up:**  
Avoid dust formation. Avoid breathing vapours, mist or gas. Do not let product enter drains.  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7 - HANDLING & STORAGE

**Precautions for Safe Handling:**  
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.  
**Precautions for Safe Storage:**  
Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards:** No exposure standard allocated.

**Engineering Controls:**

Provide appropriate exhaust ventilation in working area.

**Personal Protective Equipment:**

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: General industrial hygiene practice.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Red powder.
<b>Odour:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at °C):</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range (°C):</b>	Not available.
<b>Freezing/melting point (°C):</b>	204°C.
<b>Solubility:</b>	Not available.
<b>Specific gravity or density:</b>	Not available.
<b>Formula:</b>	C <sub>19</sub> H <sub>10</sub> Br <sub>4</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	669.96 g/mol

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions of use.

**Conditions to avoid:** Incompatible materials.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Hydrogen bromide gas.

**Hazardous Reactions:** None reported.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Exposure and Health Effects:**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Ingestion:**

May be harmful if swallowed.

**Inhalation:**

May be harmful if inhaled. May cause respiratory tract irritation.

**Eye Contact:**

May cause eye irritation.

**Skin Contact:**

May be harmful if absorbed through skin. May cause skin irritation.

**Human/Animal data:** Not available.

**Carcinogenic Category:** Not classified as a Carcinogen by the IARC.

**Other Carcinogenic Information:** Not available.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.  
**Persistence and degradability:** No data available.  
**Mobility:** No data available.

**SECTION 13 - DISPOSAL CONSIDERATIONS****Disposal Methods:**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of packaging as unused product.

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number:** Not regulated.  
**UN Proper Shipping Name:** Not regulated.  
**Class and Subsidiary risk:** Not regulated.  
**Packing Group:** Not regulated.  
**Special Precautions for User:** Not available.  
**Hazchem Code:** Not available.

**SECTION 15 - REGULATORY INFORMATION**

**Poison Schedule Number:** None Allocated.

**SECTION 16 - OTHER INFORMATION**

**Date of preparation of MSDS:** 24 January 2012

**Comments:****List of Publications referenced when creating this MSDS;**

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

*This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.*

**... End of MSDS ...**