

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 5-Bromo-4-chloro-3-indolyl phosphate, p-toluidine salt
Catalogue Number: **CB2555-2**
Synonyms: BCIP-MT salt
Chemical formula: $C_{15}H_{15}BrClN_2O_4P$
Intended Use: Laboratory reagent

Company Name: Denville Scientific Inc.
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2. HAZARDS IDENTIFICATION

Signal Word:

WARNING

Hazard Class:

Acute Toxicity: Category 4

BCIP-MT salt is harmful by inhalation, in contact with skin and if swallowed.



3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	EC Number	Amount	Hazard Classification
BCIP-MT salt	6578-06-9	229-506-1	99%	Acute Tox. 4. H302, H312, H332

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Wash out mouth with water provided that the casualty is conscious. Seek medical attention.

Inhalation: Remove to fresh air and keep warm. Treat symptomatically. Seek medical attention if irritation or discomfort occurs.

Skin: Wash the affected area thoroughly with water. Remove contaminated clothing. Seek medical attention if irritation or discomfort occurs.

Eyes: Flush eyes with copious amounts of water for at least 15 minutes, lifting upper and lower lids. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:

Use any media appropriate for the surrounding fire.

Special Fire Fighting Instructions:

Wear self-contained breathing apparatus and full protective clothing.

Hazardous Combustion Products:

Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Precautions:

Evacuate the area. Wear Personal Protective Equipment appropriate for the scale of the spill and potential for exposure. (See Section 8). Avoid contact with skin and eyes. Do not breath dust.

This material is classified as dangerous for the environment. Prevent contamination of drains, sewers, watercourses and ponds.

Methods for Cleaning Up:

Small amounts of material should be wiped up with a damp cloth. Vacuum clean or sweep larger spills, working carefully to avoid the generation of dust. Place in a suitable container and store pending disposal.

Ventilate the area and wash the spill site with water once all material has been picked up.

7. HANDLING AND STORAGE

Handling:

Prevent contact with skin and eyes. Do not breath dust. Do not eat, drink or smoke in the working area. Work in an extracted enclosure wearing protective clothing as required.

Wash hands and exposed skin thoroughly after handling this material.

Storage:

Store in the original, tightly closed container. To avoid deterioration of the product store at -20 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

UK Occupational Exposure Limits:

None relevant.

Engineering Controls:

Work in an extracted enclosure.

Personal Protective Equipment (PPE):

Respiratory protection: Wear respirator fitted with particulate filter.

Eye protection: Wear safety glasses.

Hand protection: Wear rubber or plastic gloves.

Body protection: Wear overall or laboratory coat.

The potential for, and extent of exposure should be taken into account when determining the appropriate PPE to wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Crystalline solid

Odour: Characteristic

Melting Point: >200 °C

Boiling Point: >250 °C

pH: Neutral

Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY

Stability:	Stable at normal temperatures and pressures.
Materials to Avoid:	Acids and bases, strong oxidizing agents, acid anhydrides, acid chlorides.
Conditions to Avoid:	Heat, sunlight, high temperatures.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, nitrogen oxides, phosphorous oxides, hydrogen bromide, hydrogen chloride.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data

Health Effects:

Ingestion:	Considered HARMFUL if swallowed.
Inhalation:	Considered HARMFUL by inhalation.
Skin:	Considered HARMFUL in contact with skin.
Eyes:	May cause irritation.

Chronic Effects:

No sensitizing effects are known.

One source of information suggests that, on ingestion of BCIP-MT salt, p-toluidine may be liberated and so the same precautions as would be taken for handling p-toluidine are appropriate for BCIP-MT salt. p-Toluidine is a suspected carcinogen (CLP Category 2). No further data is available.

12. ECOLOGICAL INFORMATION

Do not allow to enter soil. Prevent contamination of drains, sewers, watercourses and ponds.

13. DISPOSAL CONSIDERATIONS

Treat chemical residues as Special Waste.
Dispose via a licensed professional waste disposal service.

14. TRANSPORT INFORMATION

UN Number:	Not applicable
Class:	Not applicable
Proper Shipping Name:	Not applicable
Packing Group:	Not applicable

15. REGULATORY INFORMATION

CLP

Signal Word:

WARNING

Hazard Class:

Acute Toxicity: Category 4

Hazard Statements:

H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled



15. REGULATORY INFORMATION (Continued)

CLP

Precautionary Statements:

- P261 Avoid breathing dust.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves / protective clothing / eye protection.
P301 + 312 IF SWALLOWED: call a POISON CENTRE or doctor / physician if you feel unwell.
P302 + 352 IF ON SKIN: wash with soap and water.
P304 + 340 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.

CHIP

Classification:

HARMFUL



Risk Phrases:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Safety Phrases:

- S22 Do not breath dust
S24/25 Avoid contact with skin and eyes

16. OTHER INFORMATION

The information provided in this data sheet is correct to the best of our knowledge at the date of publication. It is intended to provide guidance in the safe handling, use, storage, transportation and disposal of the material. The information does not constitute the user's own assessment of workplace risk as required by UK legislation currently in force. Only competent persons within a suitably controlled environment should handle chemicals.

Europa Bioproducts Ltd. cannot accept liability for any loss or damage relating to the use of this information.

CHIP – The UK Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

CLP – The European Regulation on Classification, Labelling and Packaging of Substances and Mixtures. Regulation (EC) No 1272/2008

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Addition of CLP classification. Changes to sections 2, 3, 11, 15, 16.