Material Safety Data Sheet

BCIP

1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>BCIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Code</td>
<td>21530050-1, 21530050-2, 21530050-3</td>
</tr>
<tr>
<td>CAS#</td>
<td>6578-06-9</td>
</tr>
<tr>
<td>RTECS</td>
<td>Not available.</td>
</tr>
<tr>
<td>TSCA</td>
<td>TSCA 8(b) inventory : BCIP</td>
</tr>
<tr>
<td>CI#</td>
<td>Not available.</td>
</tr>
<tr>
<td>Synonym</td>
<td>5−Bromo−4−Chloro−3−Indolyl Phosphate, p−Toluidine Salt</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>5-Bromo-4-Chloro-3-Indolyl Phosphate</td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>C₈H₆BrCINO₄P C₇H₉N</td>
</tr>
</tbody>
</table>

Contact information:

bioWORLD
4150 Tuller Rd
Suite 228, Dublin, OH 43017, USA
For information, call: 614-792-8680
Fax Number: 614-792-8685
Order Online: [www.bio-world.com](http://www.bio-world.com)
E-mail : save@bio-world.com

In case of a chemical emergency, contact local hospital.

For non-emergency assistance, call: 1-800-860-9729

2: Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCIP</td>
<td>6578-06-9</td>
<td></td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

Not available.

3: Hazards Identification

Potential Acute Health Effects: May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Possible carcinogen.

MUTAGENIC EFFECTS: Not available.
4: First Aid Measures

**Eye Contact:** Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Skin Contact:** Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Serious Skin Contact:** Not available.

**Inhalation:** Remove to fresh air. If breathing becomes difficult, call a physician.

**Serious Inhalation:** Not available.

**Ingestion:** Wash out mouth with water if person is conscious. Call a physician.

**Serious Ingestion:** Not available.

5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Product of Combustion:**

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:** Not available.

**Fire Fighting Media and Instructions:**

**SMALL FIRE:** Dry chemical powder.

**LARGE FIRE:** Carbon dioxide, dry chemical, or foam.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

6: Accidental Release Measures

**Small Spill:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

**Large Spill:** Not available.

7: Handling and Storage

**Precautions:** Do not get in eyes, on skin, or on clothing.
### 8: Exposure Controls/Personal Protection

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**Personal Protection:** Wear appropriate NIOSH/MSHA-approved respirator, chemical resistant gloves, safety goggles and other protective clothing.

**Personal Protection in Case of a Large Spill:** Safety goggles. Lab coat. Dust respirator. Gloves.

**Exposure Limits:** Not available.

### 9: Physical and Chemical Properties

**Physical State and Appearance:** Solid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 433.62 g/mole

**Color:** Not available.

**pH(1% soln/water):** Not available.

**Boiling Point:** 153 °C

**Melting Point:** 195-197 °C

**Critical Temperature:** Not available.

**Specific Gravity:** 0.938

**Vapour Pressure:** 2.7

**Vapor Density:** 2.5

**Volutility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Not available.

### 10: Stability and Reactivity Data

**Stability:** Stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.
Incompatibility with various substances: Acid chlorides, Oxidizing agents, Chloroformates, Reducing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11: Toxicological Information

Routes of Entry: Skin contact. Inhalation. Ingestion.

Toxicity to Animals: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Product of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

13: Disposal Considerations

Waste Disposal: Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all national and local environmental regulations.

14: Transport Information

DOT Classification: Not a DOT controlled material.
**Identification:** Not available.

**Special Provisions for Transport:** Not available.

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### 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: BCIP; NBT

**Other Regulations:** Not available.

**Other Classifications:**

**WHMIS(Canada):** Not available.

**DSCL(EEC):** Not available.

**HMIS(U.S.A):**

- **Health Hazard:** 1
- **Fire Hazard:** 0
- **Reactivity:** 0

**Personal Protection:**

**National Fire Protection Association (U.S.A):**

- **Health:** 1
- **Flammability:** 0
- **Reactivity:** 0

**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Safety goggles.

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### 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 27/07/2006 1:16:41 PM

**Last Updated:** 09/12/2008 9:38:52 AM

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