## Section 1 - Product and Company Information

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Brand</th>
<th>Company</th>
<th>Street Address</th>
<th>City, State, Zip, Country</th>
<th>Telephone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Bromo-4-chloro-3-indolyl β-D-galactopyranoside</td>
<td>98%</td>
<td>Sigma Aldrich</td>
<td>Sigma-Aldrich</td>
<td>3050 Spruce Street</td>
<td>SAINT LOUIS, MO 63103 US</td>
<td>314 771 5795</td>
<td>800 325 5052</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Emergency Phone: 414 273 3850 Ext. 5996

## Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
<th>EC no</th>
<th>Annex Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-BROMO-4-CHLORO-3-INDOLY-β-D-GALACTOPYRANOSIDE</td>
<td>7240-90-6</td>
<td>No</td>
<td>230-649-8</td>
<td></td>
</tr>
<tr>
<td>Formula</td>
<td>C14H15BrCINO6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Synonyms

## Section 3 - Hazards Identification

<table>
<thead>
<tr>
<th>HMIS Rating</th>
<th>NFPA Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health: 0</td>
<td>Health: 0</td>
</tr>
<tr>
<td>Flammability: 0</td>
<td>Flammability: 0</td>
</tr>
<tr>
<td>Reactivity: 0</td>
<td>Reactivity: 0</td>
</tr>
</tbody>
</table>

For additional information on toxicity, please refer to Section 11.

## Section 4 - First Aid Measures

### Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

### Inhalation Exposure
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

### Dermal Exposure
In case of contact, immediately wash skin with soap and copious amounts of water.

### Eye Exposure
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by exerting the eyelids with fingers. Call a physician.

## Section 5 - Fire Fighting Measures

### Autoignition Temp: N/A

### Extinguishing Media
- Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

### Firefighting Protective Equipment
- Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- Specific Hazard(s)
- Exhale toxic fumes under fire conditions.

## Section 6 - Accidental Release Measures

### Methods for Cleaning Up
- Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## Section 7 - Handling and Storage

### Handling
- Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### Storage
- Suitable
- Keep tightly closed. Store at -20°C

## Section 8 - Exposure Controls / PPE

### Engineering Controls
- Safety shower and eye bath. Mechanical exhaust required.

### Personal Protective Equipment

#### Respiratory
- Wear dust mask.

#### Hand
- Protective gloves.

#### Eye
- Chemical safety goggles.

### General Hygiene Measures
- Wash thoroughly after handling.

## Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>408.64 AMU</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>BP/SP Range</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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www.sigma-aldrich.com

Page 2
Section 10 - Stability and Reactivity

Stability
Stable.

Conditions of Instability
Heat, light, and moisture-sensitive.

Materials to Avoid
Strong oxidizing agents.

Hazardous Decomposition Products

Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Route of Exposure
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 irritate mucous membranes and upper respiratory tract.

Ingestion
May be harmful if swallowed.

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

RTECS Number:  N/A

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material.

Dilute or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

United States Regulatory Information
SARA Listed: No

Canada Regulatory Information
WHMIS Classification
This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes
NDSL: No

Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household, or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2004 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.