# Section 1 - Product and Company Information

<table>
<thead>
<tr>
<th>Product Name</th>
<th>5-BROMO-4-CHLORO-3-INDOLYL B-D- GALACTOPYRANOSIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Number</td>
<td>B4252</td>
</tr>
<tr>
<td>Brand</td>
<td>Sigma Chemical</td>
</tr>
<tr>
<td>Company</td>
<td>Sigma-Aldrich</td>
</tr>
<tr>
<td>Street Address</td>
<td>3050 Spruce Street</td>
</tr>
<tr>
<td>City, State, Zip, Country</td>
<td>St. Louis, MO, 63103, US</td>
</tr>
<tr>
<td>Technical Phone:</td>
<td>314 771 5765</td>
</tr>
<tr>
<td>Fax:</td>
<td>800 325 5052</td>
</tr>
<tr>
<td>Emergency Phone:</td>
<td>414 273 3850 Ext.5996</td>
</tr>
</tbody>
</table>

# Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-BROMO-4-CHLORO-3-INDOLYL-B-D-</td>
<td>7240-90-6</td>
<td>No</td>
</tr>
<tr>
<td>GALACTOPYRANOSIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Formula</td>
<td>C14H15BrCINO6</td>
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</tr>
<tr>
<td>Synonyms</td>
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</table>

# Section 3 - Hazards Identification

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 not breathing give artificial respiration. If breathing is difficult, give oxygen.

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

**Eye Exposure**
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

# Section 5 - Fire Fighting Measures

<table>
<thead>
<tr>
<th>Autoignition Temp:</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Extinguishing Media**

- Suitable
  - 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)
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

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
User Exposure
Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable
Keep tightly closed. Freeze.

Section 8 - Exposure Controls / PPE

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

Personal Protective Equipment
Respiratory
NIOSH/MSHA-approved respirator.

Hand
Compatible chemical-resistant gloves.

Eye
Chemical safety goggles.

General Hygiene Measures
Wash contaminated clothing before reuse. Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Color</th>
<th>Form</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>White</td>
<td>Powder</td>
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</table>

Molecular Weight: 408.64 AMU

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>BP/BP Range</td>
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<tr>
<td>MP/MP Range</td>
<td>230 °C</td>
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<tr>
<td>Freezing Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
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<tr>
<td>Saturated Vapor Conc.</td>
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<tr>
<td>SG/Density</td>
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<tr>
<td>Bulk Density</td>
<td>N/A</td>
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</tbody>
</table>
Section 10 - Stability and Reactivity

Stability
- Stable
- Stable

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

Materials to Avoid
- Strong oxidizing agents.

Hazardous Decomposition Products

Section 11 - Toxicological Information

Route of Exposure
- Skin Contact
  - May cause skin irritation.
- Eye Contact
  - May cause eye irritation.
- Multiple Routes
  - May be harmful by inhalation, ingestion, or skin absorption.

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

RTECS Number:

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Dissolve 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
Proper Shipping Name: None
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

United States Regulatory Information
SARA 313 Listed: No

Section 16 - Other Information

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. 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 1999 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.