



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/8

## X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)
CAS No.	7240-90-6
EC No.	230-640-8
Product code	NCM0255, MC405-E1

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PROC15] Use as laboratory reagent;
-------------	---

#### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
----------------------------	----------------

#### Further information

Manufactured By:	Neogen Corporation 740 East Shiawassee Lansing, MI 48912 U.S.A.
Hotline(s):	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Acute Tox. 4: H302+H312+H332;
-----------------------------	-------------------------------


#### 2.2. Label elements

P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P501 - Dispose of contents/container to an appropriate waste site or reclaim (in accordance with local/regional/national/international regulation).

# X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

## 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P321 - Specific treatment (see on this label). P330 - Rinse mouth.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

## 2.3. Other hazards

Other hazards	This product is not identified as a PBT substance.
---------------	--

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)		7240-90-6	230-640-8		90 - 100%	Acute Tox. 4: H302+H312+H332;

Full text for all Risk Phrases mentioned in this section are displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Risk of serious damage to eyes. Seek medical attention.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Ingestion	Keep the affected person warm and at rest. DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

# X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

## 4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO <sub>2</sub> ), Alcohol resistant foam, Powder.
--	--

### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
--	---

### 5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary. Wear suitable protective clothing, gloves and eye/face protection.
--	---

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Avoid raising dust. Wear suitable protective clothing, gloves and eye/face protection.
--	--

### 6.2. Environmental precautions

	Do not empty into drains; dispose of this material and its container in a safe way.
--	---

### 6.3. Methods and material for containment and cleaning up

	Avoid raising dust. Sweep up. Dispose of in compliance with all local and national regulations.
--	---

### 6.4. Reference to other sections

	See section 8 & 13 for further information.
--	---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.
--	--

### 7.2. Conditions for safe storage, including any incompatibilities

	Store at temperatures between 2 °C and 30 °C. Store in original container. Keep container tightly closed. Protect from moisture.
--	--

### 7.3. Specific end use(s)

	See section 1.2 for further information.
--	--

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters


	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.
--	--

### 8.2. Exposure controls

# X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

## 8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Use as appropriate:
Eye / face protection	safety glasses with side-shields.
Skin protection - Hand protection	Chemical resistant gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	No data is available on this product.
8.2.3. Environmental exposure controls	Avoid release to the environment. Refer to special instructions/Safety data sheets. See section 7 for further information.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>State</b>	Solid
<b>Color</b>	White
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	No data available
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	No data available

### 9.2. Other information

# X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Stable under normal conditions. See section 7 for further information.
--	--

### 10.2. Chemical stability

	Will not decompose if stored and used as recommended.
--	---

### 10.3. Possibility of hazardous reactions

	No precautions required to be mentioned. Stable under normal conditions.
--	--

### 10.4. Conditions to avoid

	No precautions required to be mentioned.
--	--

### 10.5. Incompatible materials

	No precautions required to be mentioned.
--	--

### 10.6. Hazardous decomposition products

	Carbon oxides, Organic materials may be formed in fire conditions. Fire will produce dense black smoke.
--	---

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product. See section 3 for further information.
Skin corrosion/irritation	May cause irritation to skin. See section 3 for further information.
Serious eye damage/irritation	May cause irritation to eyes. See section 3 for further information.
Respiratory or skin sensitisation	May cause sensitization by inhalation and skin contact. See section 3 for further information.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product. See section 3 for further information.
Repeated or prolonged exposure	No data is available on this product. See section 3 for further information.

#### 11.1.2. Mixtures

	See section 3 for further information.
--	--

#### 11.1.3. Hazard Information

	See section 3 for further information.
--	--

#### 11.1.4. Toxicological information

# X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

## 11.1.4. Toxicological information

	No data available
	No data is available on this product.

## 11.1.5. Hazard Class

	See section 2 for further information.
--	--

## 11.1.6. Classification Criteria

	See section 2 for further information.
--	--

## 11.1.7. Information on likely routes of exposure

	Skin contact. Inhalation.
--	---------------------------

## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	No data is available on this product.
--	---------------------------------------

## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	No data is available on this product.
--	---------------------------------------

## 11.1.10. Interactive effects

	No data is available on this product.
--	---------------------------------------

## 11.1.11. Absence of specific data

	No data available.
--	--------------------

## 11.1.12. Mixture versus substance information

	Not applicable.
--	-----------------

## 11.1.13. Other information

	Not applicable.
--	-----------------

## SECTION 12: Ecological information

### 12.1. Toxicity

	No data available
--	-------------------

### 12.2. Persistence and degradability

	No data is available on this product.
--	---------------------------------------

### 12.3. Bioaccumulative potential

	No data is available on this product.
--	---------------------------------------

### Partition coefficient

	X-β-Galactoside No data available (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)
--	---

### 12.4. Mobility in soil

	No data is available on this product.
--	---------------------------------------

### 12.5. Results of PBT and vPvB assessment

	No data is available on this product.
--	---------------------------------------

### 12.6. Other adverse effects

	No data available.
--	--------------------

# X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

### Disposal methods

Contact a licensed waste disposal company. Do not flush into surface water. This material and its container must be disposed of in a safe way.

### Disposal of packaging

Empty containers can be sent for disposal or recycling. Containers can be recycled if in compliance with local and national regulations. Do NOT reuse empty containers.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4. Packing group

The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Regulations

Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

### 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

### Other information

DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF

# X-β-Galactoside (5-Bromo-4-Chloro-3-Indolyl-β-d-Galactopyranoside)

Revision 1  
Revision date 2019-04-09

## Other information

	<p>PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
<p><b>Revision</b></p>	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - EC No.</li> <li>1 - Product Use.</li> <li>2 - 2.1.2. Classification - GHS.</li> <li>2 - Hazard pictograms.</li> <li>2 - Signal Word.</li> <li>2 - Precautionary Statement: Prevention.</li> <li>2 - Precautionary Statement: Response.</li> <li>2 - Precautionary Statement: Disposal.</li> <li>9 - 9.1. Information on basic physical and chemical properties (PH).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Boiling point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Melting point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Flash point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Flammability limits).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Explosive properties).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Oxidising properties).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Vapor pressure).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Relative density).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Vapor density).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Freezing Point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Solubility).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</li> <li>9 - 9.2. Other information (Conductivity).</li> <li>9 - 9.2. Other information (Partition coefficient).</li> <li>9 - 9.2. Other information (Gas group).</li> <li>9 - 9.2. Other information (Surface tension).</li> <li>9 - 9.2. Other information (Benzene Content).</li> <li>9 - 9.2. Other information (Product Subcategory).</li> <li>9 - 9.2. Other information (Chemical formula).</li> <li>9 - 9.2. Other information (Lead content).</li> <li>16 - Maximum content of VOC.</li> </ul>
<p><b>Text of Hazard Statements in Section 3</b></p>	<p>Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled</p>