

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 5-Bromo-4-chloro-3-indolyl- β -D-galactopyranoside
Catalogue Number: **CX3000-3**
Synonyms: X-Galactopyranoside, X-GAL
Intended Use: Laboratory reagent

Company Name: Denville Scientific Inc.
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2. HAZARDS IDENTIFICATION

This material is not classified as hazardous.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component:	CAS Number	EC Number	Amount	Hazard Classification
X-Galactopyranoside	7240-90-6	230-640-8	-	Non-hazardous

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 from exposure. Keep warm and at rest. Treat symptomatically. Seek medical advice if discomfort occurs.

Skin: Wash the affected area thoroughly with water. Remove contaminated clothing and launder before reuse.

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

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:

May emit 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 breathe dust.

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. Do not use a high-pressure water jet.

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 in the dark at 0 – 4 °C or at –20 °C for long-term storage.

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, goggles or face shield. Hand protection: Wear rubber 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:	White or almost white powder
Solubility:	Soluble in DMF or DMSO
Explosive properties:	Potential risk of dust explosion only in the case of large scale powder spillages.

10. STABILITY AND REACTIVITY	
Stability:	Stable at normal temperatures and pressures.
Materials to Avoid:	Strong oxidizing agents, strong acids and water.
Conditions to Avoid:	Light, moisture, high temperatures.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, hydrochloric acid, hydrobromic acid, nitrogen oxides.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION	
Acute toxicity:	No data
Health Effects:	
Ingestion:	No data
Inhalation:	May cause irritation.
Skin:	May cause irritation.
Eyes:	May cause irritation.
Chronic Effects:	
No data	

12. ECOLOGICAL INFORMATION

No data.

13. DISPOSAL CONSIDERATIONS

No special disposal method required, except that it be in accordance with current local authority Regulations.

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:

None

Hazard Class:

None

Hazard Statements:

None assigned

Precautionary Statements:

P261 Avoid breathing dust.
P262 Do not get in eyes, on skin, or on clothing.

CHIP

Classification:

Not classified as hazardous

Risk Phrases:

None assigned

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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Reason for issue: Sections 2 and 3 re-ordered as required by REACH. Addition of CLP classification. Changes to sections 2, 3, 15, 16.