



SAFETY DATA SHEET

Creation Date 04-Mar-2010

Revision Date 04-Mar-2010

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name 5-Bromo-4-chloro-3-indolyl- β -D-galactoside
Cat No. 227770000; 227770025; 227770100; 227771000; 227775000
Synonyms X-Gal
Recommended Use Laboratory chemicals

Company Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Emergency Telephone Number For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99
Emergency Number, US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

2. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

R -phrase(s)
none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Component	Weight %	EC No.	Classification
.beta.-D- Galactopyranoside, 5- bromo-4-chloro-1H-indol- 3-yl 7240-90-6	>95	EEC No. 230-640-8	-

For the full text of the R phrases mentioned in this Section, see Section 16

5-Bromo-4-chloro-3-indolyl- β -D-galactoside

Revision Date 04-Mar-2010

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
Ingestion	Do not induce vomiting. Obtain medical attention.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons

No information available.

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Flash Point

No information available.

Method

No information available.

Autoignition Temperature

No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

Environmental Precautions Should not be released into the environment.

Methods for Containment and Clean Up Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

5-Bromo-4-chloro-3-indolyl-β-D-galactoside

Revision Date 04-Mar-2010

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep refrigerated.
Specific use(s)	No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

The product does not contain any hazardous materials with occupational exposure limits established.

Occupational exposure controls

Engineering Measures	Ensure that eyewash stations and safety showers are close to the workstation location Ensure adequate ventilation, especially in confined areas
Personal Protective Equipment	
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection	Tightly fitting safety goggles
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Hand Protection	Protective gloves
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Off-white
pH	No information available.
Boiling Point/Range	No information available.
Melting Point/Range	230°C / 446°F
Flash Point	No information available.
Molecular Formula	C14 H15 Br Cl N O6
Molecular Weight	408.63

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation.

5-Bromo-4-chloro-3-indolyl-β-D-galactoside

Revision Date 04-Mar-2010

Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Hydrogen chloride gas
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions .	None under normal processing..

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information No acute toxicity information is available for this product

Component Information

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization No information available.

Neurological Effects No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Target Organs None known.

Other Adverse Effects The toxicological properties have not been fully investigated..

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

Persistence and Degradability No information available

Bioaccumulative Potential No information available.

Mobility No information available.

5-Bromo-4-chloro-3-indolyl-β-D-galactoside

Revision Date 04-Mar-2010

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products

Dispose of in accordance with local regulations

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

IMDG/IMO

Not regulated

ADR

Not regulated

IATA

Not regulated

15. REGULATORY INFORMATION

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

Labelling

R -phrase(s)

none

S -phrase(s)

S24/25 - Avoid contact with skin and eyes

International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
.beta.-D-Galactopyranoside, 5-bromo-4-chloro-1H-indol-3-yl	230-640-8	-		-	X	-	-	-	X	-	-

16. OTHER INFORMATION

Prepared By

Regulatory Affairs

5-Bromo-4-chloro-3-indolyl- β -D-galactosideRevision Date 04-Mar-2010

Creation Date	04-Mar-2010
Revision Date	04-Mar-2010
Revision Summary	"***", and red text indicates revision
Restrictions on use	No information available.
Training advice	No information available.
Literary reference	No information available.

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet