

## MATERIAL SAFETY DATA SHEET

Description:	<b>X-Gluc CHA salt</b>
Chemical name:	5-bromo-4-chloro-3-indolyl-beta-delta-glucuronic acid
Molecular formula and weight:	$C_{20}H_{26}BrClN_2O_7$ / 521.8
Identity (As Used on Label and List):	X-Gluc
CAS #:	114162-64-0

### Section I Hazardous Ingredients / Identity Information

General Information	Harmful; may cause sensitization by inhalation and skin contact. Wear suitable protective clothing
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### Section II Fire and Explosion Hazard Data

Flash Point (Method Used)	No data available.
Flammable Limits	NA
Extinguishing Media	Water spray, carbon dioxide, extinguishing powder or foam.
Special Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards	Gives off irritating or toxic fumes in a fire.

### Section III Physical/Chemical Characteristics

Appearance and Odour	Odourless, crystalline white powder.
Melting Point	230°C.
Solubility in Water	Soluble.
Vapour Pressure (mm Hg)	No data available.

### Section IV Reactivity Data

Stability	Stable, under normal handling and storage conditions.
Conditions to Avoid	Contact with strong oxidants, fire.
Incompatibility (Materials to Avoid)	Strong oxidizing agents.
Hazardous Decomposition	NA
Hazardous Polymerization	Will not occur

### Section V Health Hazard & First Aid Information

#### Potential health effects and symptoms of exposure

EYES	Causes irritation.
SKIN	May cause irritation. May be absorbed through the skin.
INGESTION	May be harmful.
INHALATION	May cause irritation to the respiratory tract. May be harmful.
CARCINOGENICITY	No data available.

<b>Emergency &amp; First Aid Procedures</b>	
EYES	Rinse opened eyes for several minutes under running water. Get medical attention if eyes become irritating.
SKIN	Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing.
INGESTION	Rinse mouth. Drink plenty of water. Get medical attention if irritating or symptoms occur.
INHALATION	If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical attention.
<b>Section VI Precautions for Safe Handling and Use</b>	
<b>OCCUPATIONAL SPILLS</b>	
Use proper personal protective equipment as indicated in Section 7.	
<b>WASTE DISPOSAL METHOD</b>	
Clean up spills immediately. Sweep up or absorb material, then place it into container for disposal. Avoid generating dusty conditions. Provide ventilation. Wash spill site after material pickup is complete.	
<b>Section VII Guidelines for Safe Handling</b>	
RESPIRATORY PROTECTION	Not required.
HYGIENE MEASURES	Keep away from foodstuffs and beverages. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working with products.
EYE PROTECTION	Safety goggles (glasses).
PROTECTIVE CLOTHING OR EQUIPMENT	Protective gloves, a lab coat.
GENERAL PRECAUTIONS	Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Good laboratory technique should be used when handling. Keep container tightly closed. Store at -20°C in the dark.

**Additional Information:** This information is believed to be accurate and represents the best information available to date. We make no warranty or assume liability from its use. Users should make their own investigations to determine the suitability of the information. MSDS has been prepared in accordance with EU Directive 67/548/EEC, 1/155/EEC and other EU Community legislations in force.