

## 1. CHEMICAL IDENTIFICATION AND COMPANY INFORMATION

PRODUCT NAME: X-Gluc, Monocyclohexyl Ammonium Salt

PRODUCT NUMBER: X877

COMPANY INFO: PhytoTech Labs Inc.  
 14610 W 106<sup>th</sup> St. Lenexa, KS 66215  
 Phone: 1-888-749-8682 or 1-913-341-5343  
 www.phytotechlab.com

EMERGENCY PHONE NUMBER 1-800-535-5053 - US Only  
 (INFOTRAC): 1-352-323-3500 - International

RECOMMENDED USE: For Laboratory-use or Further Manufacture only

RESTRICTIONS ON USE: Products sold by PhytoTech Labs Inc. are intended for research and laboratory use only. Products are not to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, in vitro diagnostics, or as household chemicals.

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including hazard and precautionary statements:

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: 5-Bromo-4-chloro-3-indolyl-β-D-glucuronic Acid, Monocyclohexyl Ammonium Salt; X-GlcA

CAS No.: 114162-64-0

Formula: C<sub>20</sub>H<sub>26</sub>BrClN<sub>2</sub>O<sub>7</sub>

Molecular Weight: 521.8

EC No.: 601-302-0

Ingredient	CAS Number	Percent	Hazardous
X-Gluc, Monocyclohexyl Ammonium Salt	114162-64-0	>98%	No exposure limits established by OSHA or ACGIH

## 4. FIRST AID MEASURES

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Route of Entry	Symptoms	First Aid Procedures
Ingestion	May cause irritation if swallowed	If swallowed, wash out mouth with water. Never give anything by mouth to an unconscious person. <b>Get medical attention.</b>
Inhalation	May cause irritation to respiratory tract	Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. <b>Get medical attention.</b>

Eye Contact	Direct contact may cause irritation. May cause redness, tearing, or blurred vision.	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. <b>Get medical attention if irritation persists.</b>
Skin Contact	Irritating. May cause reddening, itching or inflammation.	Wash area thoroughly with soap and water. Remove and wash contaminated clothing. <b>Get medical attention if irritation persists.</b>

Most Important Symptoms or Effects, Both Acute and Delayed:

See section 2 and/or section 11

Recommendation for Immediate Medical Care and Special Treatment Needed:

No data available

## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing media suitable for surrounding fire.
Special Protective Equipment and Precaution for Firefighters:	In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus. Evacuate the area and fight fire from a safe distance.
Hazardous Combustion Products:	May emit toxic fumes under fire conditions.
Toxic Gases Produced:	Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas, hydrogen bromide gas

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protection recommended in Section 8. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Method of Containment and Cleanup:	Wear suitable protective clothing. Avoid dust formation. Carefully sweep up and remove. Place material in a dry container and cover. Remove from the area. Flush spill area with water. Do not let products enter drains.

## 7. HANDLING AND STORAGE

Precaution for Safe Handling:	Avoid contact with skin and eyes. Avoid dust formation and aerosols. Avoid incompatible substances. Wash thoroughly after use.
Conditions for Safe Storage:	Keep in a tightly closed container and store in a cool, dry, and well-ventilated area. Light sensitive.
Incompatibilities:	Strong oxidizing agent
Recommended Storage Temperature:	-20°C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA's Permissible Exposure Limits (PELs):	None
Threshold Limit Values (TLVs):	None
Engineering Controls:	Handle in accordance to general industrial hygiene and safety practice.
Personal Protective Equipment (PPE):	
Eye/Face Protection:	Chemical safety glasses or goggles. Have eye-washing facilities readily available where eye contact can occur.
Skin Protection:	Protective gloves

Body Protection: Lab coat  
Respiratory Protection: Appropriate respirator

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white powder  
pH: No data available  
Solubility: Soluble in DMSO  
Melting Point: No data available  
Vapor Density: No data available  
Vapor Pressure: No data available  
Odor: Odorless  
Odor Threshold: No data available  
Viscosity: No data available  
Relative Density: No data available  
Evaporation Rate: No data available  
Initial Boiling Point and Boiling Range: No data available  
Flammability (solid, gas): No data available  
Partition coefficient: n-octanol/water): No data available  
Auto-ignition Temperature: No data available  
Decomposition Temperature: No data available  
Flash Point (Closed Cup): No data available  
Flammable Limits: Upper (%) – No data available Lower (%) – No data available

## 10. STABILITY AND REACTIVITY

Reactivity: No data available  
Chemical Stability: Stable under normal conditions of use – may decompose in air or light  
Possibility of Hazard Reactions: No data available  
Conditions to Avoid: No data available  
Incompatibles Materials: Strong oxidizing agents, strong acids  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas, hydrogen bromide gas

## 11. TOXICOLOGICAL INFORMATION

Toxicity: LD<sub>50</sub> (Oral-Rat)(mg/Kg): No data available  
LD<sub>50</sub> (Oral-Mouse)(mg/Kg): No data available  
LD<sub>50</sub> (Dermal-Rabbit)(mg/Kg): No data available  
Carcinogenicity: NTP: No  
IARC: No  
OSHA Reg: No  
Reproductive Toxicity: No data available  
Symptoms Associated with Overexposure: No data available

Specific Target Organ Toxicity:	Single Exposure:	No data available
	Repeated Exposure:	No data available
Target Organs:		None identified
Medical Conditions Aggravated by Exposure:		None identified
Routes of Entry:		No data available
NIOSH/RTECS NO:		Not listed

***The toxicological properties of this product have not been thoroughly investigated***

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other Adverse Effects:	No data available

## 13. DISPOSAL CONSIDERATION

Disposal Procedure:	Dispose in accordance with all applicable federal, state, and local environmental regulations.
EPA Hazardous Waste Number:	No data available

## 14. TRANSPORT INFORMATION

Domestic (D.O.T.):	Proper Shipping Name:	CHEMICALS, N.O.S. (NON-REGULATED)
	Hazard Class:	N/A
	UN/NA:	N/A
	Labels:	N/A

International:

IMDG:	Proper Shipping Name:	CHEMICALS, N.O.S. (NON-REGULATED)
	Hazard Class:	N/A
	UN/NA:	N/A
	Labels:	N/A

IATA:	Proper Shipping Name:	CHEMICALS, N.O.S. (NON-REGULATED)
	Hazard Class:	N/A
	UN/NA:	N/A
	Labels:	N/A

## 15. REGULATORY INFORMATION

TSCA:	Yes
SARA TITLE III:	
Section 302 (EHS) Ingredients:	No
Section 313 Ingredients:	No
Section 304 (EHS/CERCLA) Ingredients:	No

Section 311/312 Hazard:

No SARA Hazards

**Massachusetts Right to Know Components:**

This product is not on the Massachusetts Substance List (MSL).

**Pennsylvania Right to Know Components:**

This product is not listed on the Pennsylvania Code's Hazardous Substance List (Chapter 323).

**New Jersey Right to Know Components:**

This product is not listed amongst the New Jersey Right to Know Hazardous Substance List

**California Prop. 65 Components:**

This product is not known to the State of California to cause cancer or reproductive toxicity.

## 16. OTHER INFORMATION

HMIS Rating:

Health Hazard	Flammability	Physical Hazard	Personal Protection
0	0	0	B

NFPA Rating:

Health Hazard	Flammability	Instability	Special Hazard
0	0	0	

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