

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 9/2/2019 Version: 1.0

SECTION 1: Identification of the substand	ce/mixture and of the company	/undertaking	
1.1. Product identifier	Cubatanaa		
	: Substance		
	: 5-Bromo-4-chloro-3-indolyl-alpha-D-glucopyranoside (X-alpha-Glu)		
	: X-α-Glc		
	108789-36-2		
	90028168		
	C14H15BrCINO6		
······································	Raw material		
1.2. Relevant identified uses of the substance	or mixture and uses advised again	nst	
1.2.1. Relevant identified uses			
Main use category :	Laboratory use, Industrial use, Professiona	al use	
Industrial/Professional use spec	For professional use only		
Use of the substance/mixture :	For analytical purposes Scientific research and development Not for human consumption or veterinary	purposes.	
1.2.2. Uses advised against			
No additional information available			
1.3. Details of the supplier of the safety data s	heet		
Supplier			
Scape			
1.4. Emergency telephone number			
Emergency number : +44 (0) 7590 545705			
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixture			
Classification according to Regulation (EC) No. 127 Not classified	2/2008 [CLP]		
Adverse physicochemical, human health and enviro	onmental effects		
No additional information available			
2.2. Label elements			
Not classified.			
2.3. Other hazards			
	of REACH regulation, annex XIII		
This substance/mixture does not meet the PBT criteria			
This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria	of REACH regulation, annex XIII		
This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria SECTION 3: Composition/information on	of REACH regulation, annex XIII		
This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria SECTION 3: Composition/information on 3.1. Substances	of REACH regulation, annex XIII	°/_	
This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria SECTION 3: Composition/information on 3.1. Substances Name 5-Bromo-4-chloro-3-indolyl-alpha-D-glucopyranoside	of REACH regulation, annex XIII	% 100	
This substance/mixture does not meet the PBT criteria This substance/mixture does not meet the vPvB criteria SECTION 3: Composition/information on 3.1. Substances Name 5-Bromo-4-chloro-3-indolyl-alpha-D-glucopyranoside (X-alpha-Glu)	of REACH regulation, annex XIII ingredients Product identifier		
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: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention.

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First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact	: Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact	: May cause eye irritation. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract. Abdominal pain, nausea.
4.3. Indication of any immediate medical a Treat symptomatically.	attention and special treatment needed

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the substa	ince or mixture
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Nitrogen oxides. hydrogen chloride. hydrogen bromide.
5.3. Advice for firefighters	
Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Warn all persons of toxic hazard.

SECTION 6: Accidental release measu	res
6.1. Personal precautions, protective equip	ment and emergency procedures
General measures	: Isolate from fire, if possible, without unnecessary risk. Avoid dust formation. No flames, no sparks. Eliminate all sources of ignition.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.
Measures in case of dust release	: Keep upwind. Avoid creating or spreading dust. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify au	uthorities if product enters sewers or public waters.
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up	: On land, sweep or shovel into suitable containers. Shovel or sweep up and put in a closed container for disposal.
6.4. Reference to other sections	

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage 7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid creating or spreading dust. Provide local exhaust or general room ventilation.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storage, including	ng any incompatibilities

Technical measures

: Ensure adequate ventilation, especially in confined areas.

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Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use. Hygroscopic. Light sensitive. Store contents under inert gas.
Incompatible products	: Strong oxidizing agents.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources. Light sensitive. Moisture. Water, humidity.
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage area	: Store at -20°C. Store in a dark area. Store in dry protected location to prevent any moisture contact.

7.3. Specific end use(s)

For analytical purposes. Scientific research and development. Not for human consumption or veterinary purposes.

SECTION 8: Expos	sure conti	rols/perso	onal protection				
3.1. Control parame		010/ 00100					
No additional information							
3.2. Exposure control							
Appropriate engineerii	-						
landle in accordance w	ith good indu	strial hygien	e and safety procedures	3.			
Personal protective eq	• •						
Avoid all unnecessary e	xposure.						
Materials for protectiv	ve clothing:						
Wear suitable protectiv	e clothing, gl	oves and eye	e/face protection				
Hand protection:							
The protective gloves to	o be used mu	ist comply w	ith the specifications of	the regulation 2016/425	and the resul	tant standard	I EN 374
Туре	Material		Permeation	Thickness (mm)	Penetratio	on	Standard
Disposable gloves	Nitrile rubbe	er (NBR)	6 (> 480 minutes)	0.11			EN 374
Eye protection:							
Emergency eye wash for designed to protect against the second sec			ble in the immediate vio	inity of any potential exp	oosure. Use e	ye protection	according to EN 16
Туре		Use		Characteristics St		Standard	
Safety glasses		Fine dust, D	Dust	With side shields EN 166			
Skin and body protec	tion:						
Emergency safety show clothing readily availab			n the immediate vicinity	of any potential exposu	re. Keep suita	ble chemical	ly resistant protectiv
Туре			Standard				
Long sleeved protective	e clothing			EN ISO 13982			
Respiratory protectio	n:						
No respiratory protection	n needed un	der normal u	use conditions. [In case	of inadequate ventilatior	ı] wear respira	atory protecti	on.
Device Filter type				Condition Standard			
201100							
Dust mask		Type P1		Dust protection		EN 14387	

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties		
Physical state	: Solid	
Appearance	: Powder.	
Molecular mass	: 408.63 g/mol	
Colour	: White to off-white.	
Odour	: No data available.	
Odour threshold	: No data available	
рН	: No data available	

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Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Light sensitive. Moisture. Water, humidity.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. Thermal decomposition generates : Carbon oxides (CO, CO2). hydrogen bromide. hydrogen chloride. Nitrogen oxides.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified

symptoms

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SECTION 12: Ecological information		
12.1. Toxicity		
Acute aquatic toxicity :	Not classified	
Chronic aquatic toxicity :	Not classified	
12.2. Persistence and degradability		
5-Bromo-4-chloro-3-indolyl-alpha-D-glucopyr	anoside (X-alpha-Glu) (108789-36-2)	
Persistence and degradability	No data available.	
12.3. Bioaccumulative potential		
5-Bromo-4-chloro-3-indolyl-alpha-D-glucopyr	anoside (X-alpha-Glu) (108789-36-2)	
Bioaccumulative potential	No data available.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
5-Bromo-4-chloro-3-indolyl-alpha-D-glucopyranoside (X-alpha-Glu) (108789-36-2)		
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
12.6. Other adverse effects		
Additional information :	Avoid release to the environment.	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number	1			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard	class(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group		· · · · · · · · · · · · · · · · · · ·		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental haz	zards			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information	on available			
14.6. Special precaution	s for user			
Overland transport				
Not regulated				
Transport by sea				
Not regulated				
Air transport				
Not regulated				
Inland waterway transport				
Not regulated				

Not regulated

Rail transport

Not regulated

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

5-Bromo-4-chloro-3-indolyl-alpha-D-glucopyranoside (X-alpha-Glu) is not on the REACH Candidate List Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information		
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.	
Other information	: None.	

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.