

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 1 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240		
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017
		Version:	2

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Trade name:	Alcian Blue 8 GX, C.I. 74240
Chemical name:	-
Catalogue number:	CA8GX-P-X
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Uses:	For staining acid mucopolysaccharides according to Scott and Mowry
Uses advised against:	Only the identified uses are advised.
Reason why uses advised against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device and there is no reason to use it for other purposes.
1.3. Details of the supplier of the safety data sheet	
Supplier:	BioGnost Ltd.
Address:	Medjugorska 59, Zagreb
Telephone number:	+385 1 2409997
Telefax:	+385 1 2404039
e-mail of competent person:	vladimir.ramljak@biognost.hr
National contact:	Vladimir Ramljak
1.4. Emergency telephone numbers	
National Protection and Rescue Directorate:	112
Medical information:	+385 1 2348 342
Other information:	-

SECTION 2. Hazards identification	
2.1. Classification of the substance or mixture	
2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP)	
Hazard class and category code:	Hazard statements*:
Not identified as hazardous substance.	
2.1.2. Additional information	
-	
* For full text of Hazard- and EU Hazard-statements: see SECTION 16	
2.2. Label elements	
Product identification:	Alcian Blue 8 GX, C.I. 74240
Identification number:	-
Authorisation number:	-

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 2 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240				
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2

	Hazard pictograms:	-
	Signal word:	-
	Hazard statement:	-
	Precautionary statement:	-
	Supplemental hazard information (EU):	-
2.3.	Other hazards	
	-	

SECTION 3. Composition/information on ingredients

CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
33864-99-2/ 251-705-7/ -	-	≤ 100	Alcian Blue 8 GX	-

SECTION 4. First aid measures

4.1.	Description of first aid measures	
	General notes:	-
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.
	Following ingestion:	If the afflicted person is unconscious, do not provide them with anything orally.
	Self-protection of the first aider	No information available.
4.2.	Most important symptoms and effects, both acute and delayed	
	Following inhalation:	Allergic persons may display irritation after prolonged or repeated exposure.
	Following skin contact:	Allergic persons may display irritation.

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 3 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240				
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2

	Following eye contact:	May cause irritation.
	Following ingestion:	Swallowing may cause discomfort in abdomen and abdominal pains.
4.3.	Indication of any immediate medical attention and special treatment needed	
	-	

SECTION 5. Firefighting measures		
5.1.	Extinguishing media	
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO2 Large fire - water spray or alcohol-resistant foam
	Unsuitable extinguishing media:	No information available
5.2.	Special hazards arising from the substance or mixture	
	Hazardous byproducts of fire:	No information available
5.3.	Advice for firefighters	
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.	
5.4.	Additional information	
	Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.	

SECTION 6. Accidental release measures		
6.1.	Personal precautions, protective equipment and emergency procedures	
6.1.1.	For non-emergency personnel	
	Protective equipment:	Use personal protective equipment (see Section 8).
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes.
	Emergency procedures:	Mark the area using proper signs.
6.1.2.	For emergency responders:	
	Wear protective equipment (see Section 8).	
6.2.	Environmental precautions:	
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.	
6.3.	Methods and materials for containment and cleaning	
6.3.1.	Bundling, covering of drains; capping procedures:	Vacuum or sweep up material and place into a suitable disposal container.

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 4 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240		
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017
		Version:	2

6.3.2.	Cleaning up:	Clean up spills immediately, observing precautions in the Protective Equipment section.
6.3.3.	Other information:	-
6.4.	Reference to other sections	
	-	

SECTION 7. Handling and storage		
7.1.	Precautions for safe handling	
7.1.1.	Protection measures	
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.
	Measures to protect the environment:	
	Other measures:	Prevent spilling into the sewage system and waterways.
7.1.2.	Advice on general occupational hygiene:	
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.	
7.2.	Conditions for safe storage, including any incompatibilities	
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.
	Packaging materials:	Manufacturer's original packaging.
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 5 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240				
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Substance	CAS number	Occupational exposure limit values/short term values		Biological limit values
		ppm	mg/m ³	
Contains no hazardous substances	-	-	-	-

* For all results pertaining creatinine levels, creatinine concentration < 0.5 g/l and > 3.0 g/l may not be taken into consideration

Substance: -

EC No: - CAS No: -

DNEL

Industrial

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic
Oral	-	-	-	-
Inhalation	-	-	-	-
Dermal	-	-	-	-

Critical physical parameters: solubility, flammability, corrosivity: -

Consumer

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic
Oral	-	-	-	-
Inhalation	-	-	-	-
Dermal	-	-	-	-

PNEC

Environmental protection target	PNEC
Fresh water	No information available
Freshwater sediments	No information available
Marine water	No information available
Marine sediments	No information available
Food chain	No information available
Microorganisms in sewage treatment	No information available
Soil (agricultural)	No information available
Air	No information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 6 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240				
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2

	Substance/mixture related measures to prevent exposure during identified uses:	Use personal protective equipment. Do not eat, drink or smoke in the workspace.
	Structural measures to prevent exposure:	No information available
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.
	Technical measures to prevent exposure:	No information available
8.2.2.	Personal protection equipment:	
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face or visor.
8.2.2.2.	Skin protection	
	Hand protection:	Nitrile rubber protective gloves, 0.11 mm thick
	Other skin protection:	Cotton clothing and adequate closed footwear.
8.2.2.3.	Respiratory protection:	Not necessary. During long-term exposure wear a protective mask or a half mask equipped with filter A.
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

SECTION 9. Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
		Value	Method
	Physical state:	Powder	No information available
	Colour:	Greenish black with a metallic sheen	No information available
	Odour:	Odorless	No information available
	Odour threshold;	No information available	No information available
	pH:	No information available	No information available
	Melting point / freezing point;	148°C	No information available
	Initial boiling point and boiling range:	No information available	No information available

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 7 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240				
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2

Flash point:	No information available	No information available
Evaporation rate:	No information available	No information available
Flammability (solid, gas):	No information available	No information available
Upper/lower flammability or explosive limits:	No information available	No information available
Vapor pressure:	No information available	No information available
Vapour density:	No information available	No information available
Relative density	No information available	No information available
Bulk density:	No information available	No information available
Solubility(ies):	Soluble in water (20 °C)	No information available
Partition coefficient: n-octanol/water (log Pow):	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
Viscosity:	No information available	No information available
Explosive properties:	No information available	No information available
Oxidizing properties:	No information available	No information available
9.2. Other information		
	-	

SECTION 10.: Stability and reactivity		
10.1.	Reactivity:	No information available
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.
10.3.	Possibility of hazardous reactions:	No information available
10.4.	Conditions to avoid:	No information available
10.5.	Incompatible materials:	Strong oxidizing substances, strong acids.
10.6.	Hazardous decomposition products:	No information available

SECTION 11. Toxicological information					
11.1. Information on toxicological effects					
Acute toxicity:					
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral:	-	-	-	-	-
Dermal:	-	-	-	-	-

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 9 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240					
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2	

Subchronic oral	No information available					
Subchronic dermal	No information available					
Subchronic inhalation	No information available					
Chronic oral	No information available					
Chronic dermal	No information available					
Chronic inhalation	No information available					

Specific target organ toxicity – repeated exposure (STOT RE):

	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	No information available
Subacute dermal	No information available	No information available	No information available
Subacute inhalation	No information available	No information available	No information available
Subchronic oral	No information available	No information available	No information available
Subchronic dermal	No information available	No information available	No information available
Subchronic inhalation	No information available	No information available	No information available
Chronic oral	No information available	No information available	No information available
Chronic dermal	No information available	No information available	No information available
Chronic inhalation	No information available	No information available	No information available

CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)

Carcinogenicity:	Not classified as carcinogenic to humans.
Mutagenicity <i>in-vitro</i> :	-

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 10 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240			
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version: 2

Genotoxicity:		-
Mutagenicity <i>in-vivo</i> :		-
Germ cell mutagenicity :		-
Reproductive toxicity:		-
Summary of evaluation of the CMR properties; :		-
11.2.	Practical experiences:	
	Classification observations:	No information available
	Other observations:	No information available
11.3.	General note:	
	-	

SECTION 12. Ecological information						
12.1. Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	-	-	-	-
Crabs	EC ₅₀	48 hours	-	-	-	-
Algae/aquatic plants	IC ₅₀	72 hours	-	-	-	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Doza	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	-	-	No information available	-
Crabs (Daphnia)	EC ₅₀	48 hours	-	-	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	-	-	No information available	-
Other organisms	-	-	-	-	No information available	-
12.2. Persistence and degradability						
Abiotic degradation						
	Degradation half-lives		Method		Evaluation	Note
Marine water	No information available		No information available		No information available	-

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 11 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240			
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version: 2

Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

	Biodegradation			
--	-----------------------	--	--	--

% Degradation	Time (days)	Method	Evaluation	Note
No information available	No information available	No information available	No information available	-

	12.3. Bioaccumulative potential			
--	----------------------------------------	--	--	--

	Octanol-water partition coefficient (log Kow)			
--	------------------------------------------------------	--	--	--

Value	Concentration	pH	°C	Method	Evaluation	Note
No information available	No information available	-	-	No information available	No information available	-

	Bioconcentration factor (BCF)			
--	--------------------------------------	--	--	--

Value	Species	Method	Evaluation	Note
No information available	No information available	No information available	No information available	-

	Chronic ecotoxicity			
--	----------------------------	--	--	--

Value	Dose	Exposure time	Species	Method	Evaluation	Note
Chronic toxicity for fish	LC ₅₀	No information available	No information available	No information available	No information available	-
Chronic toxicity for crabs (Daphnia)	EC ₅₀	No information available	No information available	No information available	No information available	-

	12.4. Mobility in soil			
--	-------------------------------	--	--	--

	Known or predicted distribution in environmental compartments:			

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 12 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240				
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2

Surface tension:					
	Value	°C	Concentration	Method	Note
	No information available	No information available	No information available	No information available	-

Adsorption / desorption					
Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-water	No information available	No information available	No information available	No information available	-
Water-air	No information available	No information available	No information available	No information available	-
Soil-air	No information available	No information available	No information available	No information available	-

12.5.	Results of PBT and vPvB assessment
	No information available

12.6.	Other adverse effects
	No information available

SECTION 13. Disposal considerations

13.1.	Waste treatment methods
--------------	--------------------------------

13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.

13.1.2.	Waste codes/waste designations according to Low:
	No information available

13.1.3.	Waste treatment – relevant information:
	No information available

13.1.4.	Sewage disposal – relevant information:
----------------	------------------------------------------------

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 13 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240			
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version: 2

	Waste must not be disposed of into the sewage system.
--	-------------------------------------------------------

13.1.5.	Other recommendations for disposal:
----------------	--------------------------------------------

	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge.
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

13.1.6.	Relevant Community provisions:
----------------	---------------------------------------

	-
--	---

SECTION 14. Transport information	
------------------------------------------	--

	Transporting/shipment by road (ADR)
--	-------------------------------------

UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-

	Transporting/shipment by rail (RID)
--	-------------------------------------

UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-

	Transporting/shipment by inland waterways (ADN)
--	-------------------------------------------------

UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-

	Transporting/shipment by sea (IMDG)
--	-------------------------------------

UN number	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 14 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240				
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version:	2

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air (ICAO-TI/IATA-DGR)	
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Further information:	-

SECTION 15. Regulatory information	
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
	EU regulations
	Authorisation and/or restrictions on use
	Authorisations: -
	Restrictions: -
	<p>Other EU regulations:</p> <p>EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council; The European Commission Regulation No. 453/2006 of 2010 on changes and amendments to the Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH); EC Regulation No. 2037/2000 of the European Parliament and Council of 29 June 2000 on ozone-depleting substances; EC Regulation No. 689/2008 of the European Parliament and Council of 17 June 2008 concerning the export and import of dangerous chemicals; EC Regulation No. 850/2004 of the European Parliament and Council of 29 April 2004 on persistent organic pollutants; Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives</p>
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Page 15 of 15

Trade name:	Alcian Blue 8 GX, C.I. 74240			
Product code:	CA8GX-P-X	Date of compilation:	18 Jan 2017	Version: 2

National regulation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
----------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

15.2.	Chemical safety assessment	-
-------	----------------------------	---

SECTION 16. Other information

16.1.	Indication of changes:	-
16.2.	Abbreviations and acronyms:	PBT Stable, bioaccumulative and toxic
		vPvB Strongly stable and strongly bioaccumulative.
		LD50 Lethal dose, 50%
		LC50 Lethal concentration, 50%
		STOT-SE Specific target organ toxicity – single exposure
STOT-RE Specific target organ toxicity – repeated exposure		
16.3.	Key literature references and source of data:	-
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)	
	Classification	Classification procedure
	-	-
16.5.	Relevant H statements (number and full text)	
	H: -	-
16.6.	Training advice:	
		-
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to Chemical safety assessment

-