

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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Trading name:	CRYOFIX GEL GREEN				
Product code:	CFZ-X**	Date of compilation:	14 Nov 2022	Version: 5	5

SECTI	ION 1: Identification of	the substan	ce/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trading name:	CRYOFIX	GEL GREEN		
	Chemical name:	-			
	Catalogue number:	CFZ-X**	CFZ-X**		
1.2.	Relevant identified use	es of the sub	stance or mix	ture and uses advised against	
	Uses:			g matrix for cryosectioning of tissue samples known as um (<u>o</u> primal <u>c</u> utting <u>t</u> emperature).	
	Uses advised against:		Only the id	lentified uses are advised.	
	Reason why uses advi	sed against:	The product is intended for use only as an <i>in vitro</i> diagnostic n device, registered at the Agency for Medicinal Products and M Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	of the safet	y data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 5	59, Zagreb	
	Telephone number:		-385 1 2409997		
	Fax no.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biogno	o <u>st.hr</u>	
	National contact:	contact: -			
1.4.	Emergency telephone	number			
	National Protection ar	nd Rescue D	irectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification			
2.1.	Classification of the substance or r	mixture		
2.1.1.	Classification according to Regulat	tion (EC) No 12	272/2008 (CLP)	
	Hazard class and category	code:		Hazard statements*:
	Not identified as hazardous substance			
2.1.2.	Additional information			
	-			
*For ful	l text of Hazard- and EU Hazard-sta	tements: see S	ection 16	
2.2.	Label elements			
	Product identification:	CRYOFIX GEL	GREEN	
	Identification number: -			
	Authorization no.:	-		



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	Hazard pictograms:	-	
	Signal word:	-	
	Hazard statements:	-	
	Precautionary statements:	-	
	Supplemetal hazard information (EU):	-	
2.3.	Other hazards		
	Endocrine Disrupting Properties:		
	No known endocrine disrupting properties.		

SECTION 3. Co	SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
-	-	-	Contains no hazardous substances	-			

SECTI	ECTION 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: Following eye contact: Following ingestion:		Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.		
			Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.		
			Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.		
	Self-protection of the first a	aider:	Treat symptomatically.		
4.2.	Most important symptoms	and eff	ects, both acute and delayed		
	Following inhalation: No		nformation available		
	Following skin contact:	No i	nformation available		
	Following eye contact:	No i	nformation available		
	Following ingestion:	No i	nformation available		



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4.3.	Indication of any immediate medical attention and special treatment needed
	-

SECTIO	CTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media: Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam				
	Unsuitable extinguishing media: water jet				
5.2.	Special hazards arising from the substance or mixture				
	Hazardous combustion products: No information available				
5.3.	Advice for firefighters				
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.				
5.4.	Additional information				
	Remove sources of heat and ignition.				
	Do not contaminate the environment with extinguishing media.				

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personne	· I			
	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. Remove all sources of sparks and ignition. Do not smoke.			
	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 material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures: Sand or clay barriers.				



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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.			
6.3.3.	Other information:	-			
6.4.	Reference to other section	ons			
	See Section 7 for information about secure handling. See Section 8 for information about personal protective equipment. See Section 13 for information about containment.				

SECTIO	ON 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 generati	on: S	Secure proper ventilation.				
	Measures to protect the environment:	1	Prevent spilling into the sewage system and waterways.				
	Other measures:	-	-				
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 wey ventilated storage rooms, and away from sources of he sunlight, and other incompatible substances.					
	Packaging materials:	Manu	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:	be res	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:	and d	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)						



Soil (agricultural)

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Product code:	CFZ-X**	npilation: 14 Nov 2022				Version: 5				
Recommen	dations									
		-: :: :			-					
industriai se	ector spe	cific solution	ns:		-					
CECTION O Francis		-1-7	.1	4						
SECTION 8. Exposu		ols/persona	ii protec	tion						
8.1. Control par	ameters			0				<u> </u>		
Substance		CAS I	Nο		ipational e ues/short t			Rio	logical limit valu	ΔC
Substance		CAST	10		opm		mg/m³	J DIO	logical lillile valu	C3
-		_		'	-			No inforn	mation available	
Substance										
name:										
EC No: -		CAS No:	-							
DNEL										
				Ind	lustrial					
Route of exposure:	A	Acute A		Acute	te Chroni		ic	Chronic	:	
Noute of exposure.	effe	ect local	t local effect sy		temic	effect local		ocal	effect syste	mic
Oral	-		-			-			-	
Inhalation	-		-			-		-		
Dermal	-		-			-	T		-	
Critical physical para	meters: s	solubility, fla	mmabilit	ty, corı	osivity:		-			
			1	Coı	nsumer					
Route of exposure:		Acute A		Acute				Chronic		
·	effe	ect local	effe	ect syst	ystemic		effect local		effect syste	emic
Oral	-		-		-			-		
Inhalation	-		-			-			-	
Dermal	-		-			_			-	
PNEC										
Environmental protection target					PNEC					
Fresh water					No information available					
Freshwater sediments							on availabl			
Marine water					No information available					
Marine sediments							on availabl			
Food chain					No information available					
Microorganisms in s	ewage tr	eatment			No information available					

No information available



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Air			No information available				
8.2.	Francisco controlo						
	Exposure controls Appropriate engineering controls						
8.2.1.							
	Substance/mixture relate measures to prevent exp during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structural measures to prescribe exposure:	revent	No information available				
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to prevent exposure:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal protection equi	ipment					
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.				
8.2.2.2.	Skin protection						
			ective gloves must be according to the EU Directive 2016/425/EEC and dard EN 374.				
	Hand protection:		Glove material: nitrile rubber				
			Glove thickness: ≥0.50 mm				
			Break through time: >480 min				
	Other skin protection:		r antistatic clothing made of natural fibers (such as cotton) with long ves (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a for organic vapors, type "A" (boiling point >65°C) acording to EN y used when concentration levels exceed GVI.				
8.2.2.4.	Thermal hazards:	No inf	formation available				
8.2.3.	Environmental exposure	controls					
	Substance/mixture relate measures to prevent exp		See Section 6				
	Structural measures to prescribe exposure:	revent	Use modern equipment.				
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.				
	Technical measures to prexposure:	event	See Section 6				

SECTION 9. Physical and chemical properties



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	Value	Method	
Physical state:	viscous liquid	No information available	
Color:	green	No information available	
Odour/odour threshold:	no odor/no information available	No information available	
Melting point / freezing point:	No information available	No information available	
Boiling point or initial boiling point and boiling range:	No information available	No information available	
Flammability:	No information available	No information available	
Lower and upper explosion limit:	No information available	No information available	
Flash point:	No information available	No information available	
Auto-ignition temperature:	No information available	No information available	
Decomposition temperature:	No information available	No information available	
рН:	No information available	No information available	
Kinematic viscosity:	No information available	No information available	
Solubility:	No information available	No information available	
Partition coefficient n-octanol/water (log value):	No information available	No information available	
Vapour pressure:	No information available	No information available	
Density and/or relative density	No information available	No information available	
Relative vapour density:	No information available	No information available	
Particle characteristics:	No information available	No information available	

SECTIO	SECTION 10.: Stability and reactivity					
10.1.	Reactivity:	See subsections 10.3 through 10.5.				
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:	No information available.				
10.6.	Hazardous decomposition products:	No information available.				

SECTION 11. Toxicological information



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Acute toxici	ty:							
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure t	ime	Results		
Oral exposure:	No information available	-	LD ₅₀	-		-		
Dermal exposure:	No information available	-	LD ₅₀	_		_		
Inhalation exposure:	No information available	-	LC ₅₀	_		-		
Specific targ	get organ toxicity – si	ngle exposure (STOT SE):					
	Specif	ic effects	Target	organ		Note		
Oral exposure:	No information	available	No information	on available	-			
Dermal exposure:	No information	available	No information	on available	-			
Inhalation exposure:	No information	available	No information available -					
Aspiration h	nazard:	No info	rmation available					
Aspiration	102010.	140 11110	Thatien available					
Irritation an	d corrosion:							
i i	Exposure time	Species	Evaluation	Method		Note		
Skin irritation:	-	-	-					
Eye irritation:	-	-	-					
	·	i	i i	i				
Sensitizatio	n							
Dermal exposure:	No information avail	able						
Inhalation exposure:	No information avail	able						
Symptoms i	related to the physica	ıl, chemical and	toxicological chara	cteristics				
Oral exposure:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.							
Dermal exposure:	concentration may cause suffocation. Slight irritation. After short exposure, resorption effects are not likely. Long-term exposure may cause drying, cracking and tingling sensation of skin.							



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coughing cou			halation of large amounts of vapors in inadequately ventilated perimeter may cause oughing, sneezing, headache and nausea. irect eye contact may cause slight to moderate irritation, lacrimation and burning ensation.							
		Direct eye co sensation.								
Reneate	nd dos	e toxicity (sub	acute, subchro	onic chroni	c)					
Керейс		Dose Dose	Exposure time	Species	<u>C)</u>	Method	Evaluation	Note		
Subacute oral	No avail	information able	No information available	No informati available	on	No information available	No informatio available	on -		
Subacute dermal	No avail	information able	No information available	No informati available	on	No information available	No informatio available	n -		
Subacute inhalation	No information available		No information available	No informati available	on	No information available	No informatic available	n -		
Subchronic oral	No information available		No information available	No information available		No information available	No informatic available	on -		
Subchronic dermal	No information available		No information available	No informati available	on	No information available	No informatio available	n -		
Subchronic inhalation	No information available		No information available	No informati available	on	No information available	No informatic available	on -		
Chronic oral	No avail	information able	No information available	No informati available	on	No information available	No informatic available	on -		
Chronic dermal	No avail	information able	No information available	No informati available	on	No information available	No informatio available	n -		
Chronic No information available		No information available	No informati available	on	No information available	No informatic available	on -			
C: £ -	+0***	organ tanksis			TOT 10					
Specific	target	1	y – repeated e pecific effects	xposure (S	IUIK		an	Note		
Subacute oral			tion available		Target organ No information available			- Note		
Subacute dermal			tion available			nformation avai		-		
Subacute inhalat			tion available			nformation avai		_		



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Subchro	onic oral	No information	n available	No information available	-			
Subchro	onic dermal	No information	n available	No information available	-			
Subchro	onic inhalation	No information	n available	No information available	-			
Chronic	oral	No information	n available	No information available	-			
Chronic	dermal	No information	n available	No information available	-			
Chronic	inhalation	No information	n available	No information available	-			
	CMR effects (ca	arcinogenicity; m	nutagenicity; repro	ductive toxicity)				
	Carcinogenicity	y:	Current studies o	on test animals did not indicate ca	rcinogenic effects.			
	Mutagenicity i	n-vitro:	Current in vitro tests did not indicate mutagenic effects.					
	Genotoxicity:		No information available					
	Mutagenicity i	n-vivo:	Current in vivo tests did not indicate mutagenic effects.					
	Germ cell muta	agenicity:	No information available					
	Reproductive t	oxicity:	No toxicity on organs.	reproductive organs was determ	mined in reproductive			
	Summary of ev	valuation of the (CMR properties:	-				
11.2.	Information or	n other hazards:						
11.2.1.	Endocrine disru	upting propertie	s:					
	No known end	locrine disrupting	g properties that a	ffect human health.				
11.2.2.	Other informat	tions:						

SECTION 12. Ecologi	cal informa	tion				
12.1. Toxicity						
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	-	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	_	-
Microorganisms	LC ₅₀	72 hours	-	-	_	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note



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Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12.2. Pers	istence and degradability			
Abic	otic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
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	-

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

12.3. Bio	accumulative potenti	al				
Oc	tanol-water partition	coefficier	nt (log Ko	ow)		
Value	Concentration	рН	°C	Method	Evaluation	Note
-	No information available	-	-	No information available	No information available	-
Bic	oconcentration factor	(BCF)				
Value	Spec	ies		Method	Evaluation	Note



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No information No inform available available		nation No information available		No information available		No information available		n					
	Chronic e	cotoxicity											
	Value	COTOXICITY	Dose	Exp	osure	Sne	ecies	Met	hod	Evs	aluation		Note
	value		Dose		ime		cies		nou		aiuation		Note
Chronic	toxicity or	n fish	LC ₅₀	No infor availa	mation able	No inforr availa	mation able	No informa availab		No inforr availa	mation ible	-	
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No infor availa	mation able	No inforr availa	nation able	No informa availab		No inforr availa	mation able	_		
12.4.	Mobility i	n soil											
		· predicted	distributi	on in e	environm	ental c	ompart	ments:					
	No inforn	nation avai	ilable										
	Surface te	ension:											
	Value		°C	C	oncentra	tion		Metho	d			Note	
	No information available	No on infor avail	mation able	-	informat ailable	tion	No inf	ormation ole	1	-			
	Adsorptio	on / desorp	otion										
Transpo	urt .	A/D coeffic lenry's con	cient	lc	og Kow	Eν	Evaporation rate		Method			No	ote
Soil-wat	ter No avail		ormation	No ir availa	nformatic able		o inform ailable	nation	tion No informat		on -		
\	ir No avail		ormation	No ir availa	nformatic able		o inform ailable	nation	No infa	ormatio ole	on -		
water-a		info	ormation	No ir	nformatio		o inform	nation		ormatio	on _		
Water-a Soil-air	No avail	able		availa	able	av	ailable		availab	ole			
	avail					av	ailable		availak	ole			



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12.6.	Endocrine disrupting properties	
	No known endocrine disrupting properti	es that affect the environment.
12.7.	Other adverse effects	
	No adverse effects are expected.	
SECTIO	ON 13. Disposal considerations	
13.1.	Waste treatment methods	
13.1.1.	Product/Packaging disposal:	
	Submit for disposal to the legal person Protection.	authorized by the Ministry of Environmental and Nature
13.1.2.	Waste codes/waste designations accor	ding to Law:
	No information available	
	1	
13.1.3.	Waste treatment – relevant information	1:
	No information available	
13.1.4.	3 1	
	Waste must not be disposed of into th	e sewage system.
13.1.5.	•	
	authorized by the ministry in charge. D	is into the sewage system. Submit the remains to the collectors o not dispose of the packaging into the sewage system. Submit zed by the ministry in charge. Do not dispose of in places where
13.1.6.	Relevant Community provisions:	
	-	
SECTIO	ON 14. Transport information	
	Transporting/shipment by road (ADR)	
UN num	mber: Not su	bject to transport regulations.
UN prop	oper shipping name: -	
Transpo	oort hazard class(es):	



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Packing group:		-	
Environmentally haza		-	
Special precautions f		- ' ' (ADD)	
	g/shipment by I		
UN number:		Not subject to transport regulations.	
UN proper shipping		-	
Transport hazard clas	ss(es):	-	
Packing group:		-	
Environmentally haza	rdous:	-	
Special precautions f	or user:	-	
Inland water	way transport ((ADN)	
UN number:		Not subject to transport regulations.	
UN proper shipping	name:	-	
Transport hazard clas	ss(es):	-	
Packing group:		-	
Environmentally haza	rdous:	-	
Special precautions f	or user:	-	
Transporting	g/shipment by s	sea (IMDG)	
UN number:		Not subject to transport regulations.	
UN proper shipping	name:	-	
Transport hazard clas	ss(es):	-	
Packing group:		-	
Environmentally haza	ordous:	-	
Special precautions f	or user:	-	
Transporting	g/shipment by a	air (ICAO-TI/IATA-DGR)	
UN number:		Not subject to transport regulations.	
UN proper shipping	name:	-	
Transport hazard clas	ss(es):	-	
Packing group:		-	
Environmentally haza	rdous:	-	
Special precautions f		-	



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15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture			
	EU regulations			
	Authorization and/or rest	Authorization and/or restrictions of use		
	Authorizations:	-		
	Restrictions:	-		
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; 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; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);		
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)			
	National legislation:	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 assessme	ent		
	None			

SECTION 16. Other information			
16.1.	Indication of changes:	_	
16.2. Ab	Abbreviations and acronyms:	PBT	Stable, bioaccumulative and toxic
		vPvB	Strongly stable and strongly bioaccumulative.
		LD ₅₀	Lethal dose, 50%
		LC ₅₀	Lethal concentration, 50%
		STOT-SE	Specific target organ toxicity - single exposure
16.3.	Key literature references and source of data:	_	



SAFETY DATA SHEET

BIOGNOST® According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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Trading name:	CRYOFIX GEL GREEN		
Product code:	CFZ-X**	Date of compilation: 14 Nov 2022	Version: 5

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		
Classifi	cation	Classification procedure	
-		-	
16.5.	Relevant H statements (number and full text)		
	H: -	-	
16.6.	Training advice:		
		** "X" in the product code marks different volumes (different packagings of the product)	
16.7.	Further information:	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