

### P.A.S. DIASTASE KIT

The kit contains:

Alpha-amylase, solution
BioSchiff reagent
Bluing reagent
Hematoxylin ML
Periodic acid, 0.8% solution



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Trade name:	ALPHA-AMYLASE, SOLUTION				
Product code:	ALF-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

SECTION	ON 1: Identification of t	he su	ıbstance/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trade name:	ALF	ALPHA-AMYLASE, SOLUTION		
	Chemical name:	-	-		
	Catalogue number:	ALF	-OT-X**		
1.2.	Relevant identified use	es of t	he substance or mix	ture and uses advised against	
	Uses:		For differentiation	between glycogen and P.A.Spositive structures	
	Uses advised against:		Only the identified	uses are advised.	
	Reason wny uses advised		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3.	Details of the supplier	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.	BioGnost Ltd.	
	Address:		Medjugorska !	Medjugorska 59, Zagreb	
	Telephone number:		+385 1 240999	+385 1 2409997	
	Telefax:		+385 1 240403	+385 1 2404039	
	e-mail of competent person:		ı: <u>msds@biogno</u>	msds@biognost.hr	
	National contact:		-	-	
1.4.	Emergency telephone	Emergency telephone numbers			
	National Protection ar	nd Res	scue Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Re	gulation (EC) No 1	272/2008 (CLP)		
	Hazard class and cate	egory code:	Warning statements*:		
	Respiratory sensitisation. Category 1 H334				
2.1.2.	Additional information				
	-				
* For fu	ull text of Hazard- and EU Hazar	d-statements: see	SECTION 16		
2.2.	Label elements				
	Product identification: ALPHA-AMYLASE, SOLUTION				
	Identification number:	-			
	Authorisation number:	-			



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Hazard pictograms:	GHS08
Signal word:	Danger
Hazard statement:	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

	Precautionary statements:	P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P284 Wear respiratory protection. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor. P501 Dispose of contents/ container to an approved waste disposal plant.		
	Supplemetal hazard information (EU):	-		
2.3.	Other hazards			
	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.			

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)	
9000-90-2/ 232-565-6/ 647-015-00-4	-	3 - 5 %	a-Amylase	Resp. Sens. 1; H334	

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:	No acute toxicity but exposure to enzyme aerosols may cause respiratory problems and allergic reactions in sensitized persons. For longer skin contact there is the possibility of skin irritation.			
	Following inhalation:	Repeated inhalation of enzyme aerosol, which has formed through improper handling, can cause allergic reactions, including asthmatic bronchitis, in sensitive people. Provide fresh air, breath supply if necessary. If symptoms persist, consult a doctor.			



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	Following skin contact	With prolonged or frequent skin contact, irritation symptoms cannot be excluded Wash off with water and soap.		
	Following eye contact:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses if necessary, protect uninjured eye.		
	Following ingestion:	Rinse mouth and drink plenty of water. Do not force vomiting. Call a doctor immediately.		
	Self-protection of the aider	first _		
4.2.	Most important symptoms and effects, both acute and delayed			
	Following inhalation:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11		
	Following skin contact:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11		
	Following eye contact:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11		
	Following ingestion: The most important known symptoms and effects are described (see section 2.2) and/or in section 11			
	Indication of any immediate medical attention and special treatment needed			

SECTIO	SECTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media: Co-ordinate fire-fighting measures to the surrounding fire.				
	Unsuitable extinguishing media: -				
5.2.	Special hazards arising from the substance or mixture				
	Hazardous by products of fire: In case of fire carbon monoxide can be released.				
5.3.	Advice for firefighters				
	Wear self-contained breathing apparatus for firefighting if necessary.				
5.4.	Additional information				
	-				

SECTIO	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.			
	Accident prevention methods:	Avoid aerosol formation. Provide fresh air.			



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			p	
	Emergency procedures:		Evacuate personnel to safe areas. For personal protection see section 8.	
6.1.2.	For emergency responde	ers:		
	Self-contained open-circ dissipation (fireproof clo	•	ssed air breathing apparatus, a set for protecting the body from heat	
6.2.	Environmental precautio	ns:		
	Prevent environmental pollution by not allowing the chemicals to enter the sewage system, surface water or groundwater.			
6.3.	Methods and materials for containment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Pick up	o and arrange disposal without creating dust.	
6.3.2.	Cleaning up:	•	Pick up mechanically or pneumatically and dispose properly. Rinse with warm water.	
6.3.3.	Other information: -			
6.4.	Reference to other section	ons		
	For disposal see section	13.		

SECTIO	ON 7. Handling and storage	
7.1.	Precautions for safe handling	
7.1.1.	Protection measures	
	Measures to prevent fire:	Product is not flammable. Match fire and explosion protection measures to the flammable substances in the area.
	Measures to prevent aerosol and dust generation:	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
	Measures to protect the environment:	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. Thore skin contact.	oughly wash hands after work and before eating. Avoid
7.2.	Conditions for safe storage, including any incompa	atibilities
	Technical measures and storage conditions:	Keep only in original packaging. Store cool, dry and odorless. Recommended storage temperature 2 -8 °C.
	Packaging materials:	Glass, high density polyethylene
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed. Store in a cool, well-ventilated area.



**PNEC** 

Fresh water

Environmental protection target

Advices for storage equipment:

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

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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

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	proper ventilation.							
	Further info	mation	ation on storage conditions: -					
7.3.	Specific end	use(s)						
	Recommend	Recommendations: Apart for stipulate			uses mentioned	in section 1.2 n	o other s	oecific uses are
	Industrial se specific solu		-	-				
SECTI	ON 8. Exposur	e contro	ols/persona	l protec	tion			
8.1.	Control para	meters		-				
	Substance		CAS I	No	•	exposure limit term values	Bio	ological limit values
					ppm	mg/m³		
			-		-	-	No	information available
* Sour	rce - material sa	fety dat	a sheet prov	ided by	the raw materia	ls supplier		
Subst	ance: -							
EC No	):		CAS No:	-				
DNEL								
					Industrial			
Route	of exposure:	Route exposi		Route	of exposure:	Route of expo	osure:	Route of exposure:
Oral		-		-		-		-
Inhala	ition	-		-		-		-
Derma	al	-		-		-		-
Critica	al physical parar	neters: s	olubility, fla	mmabilit	ty, corrosivity:	-		
					Consumer			
Route of exposure:  Route of exposure:			Route	of exposure:	Route of expo	osure:	Route of exposure:	
Oral		-		-		-		-
Inhala	ition	-		-		-		-
Derma	al	_				_		l _

**PNEC** 

No information available



Freshwater sediments

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

No information available

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- I Collwate	a scannents		140 imorriation available	
Marine wa	ater		No information available	
Marine se	diments		No information available	
Food chai	n		No information available	
Microorga	anisms in sewage treatment		No information available	
Soil (agric	ultural)		No information available	
Air			No information available	
8.2.	Exposure controls			
8.2.1.	Appropriate engineering control	S		
	Substance/mixture related measures to prevent exposure during identified uses:	protect	eat, drink or smoke in the workspace. Use personal ive equipment. Wash hands after handling the product and eating and/or drinking.	
Structural measures to prevent exposure:		•	ate ventilation should be provided so that exposure limits exceeded. Use explosion-proof ventilation equipment.	
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent exposure:	See Section 7.2		
8.2.2.	Personal protection equipment:			
8.2.2.1.	Eye and face protection:	tested a	glasses recommended. Use equipment for eye protection and approved under appropriate government standards NIOSH (US) or EN 166(EU).	
8.2.2.2.	Skin protection			
	Hand protection:	to use. glove's Dispose applica hands.	ive gloves recommended. Gloves must be inspected prior Use proper glove removal technique (without touching outer surface) to avoid skin contact with this product. e of contaminated gloves after use in accordance with ble laws and good laboratory practices. Wash and dry The selected protective gloves have to satisfy the cations of Regulation (EU) 2016/425 and the standard EN rived from it.	
	Other skin protection:	Wear la	ab coat or apron.	
8.2.2.3.	Respiratory protection:	If aerosol formation: wear respiratory mask.		
8.2.2.4.	Thermal hazards:	No information available.		
8.2.3.	Environmental exposure controls	;		
	Substance/mixture related measures to prevent exposure:	See Sec	ction 6	



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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

Information on basic physical an	d chemical properties	
	Value	Method
Physical state:	liquid	No information available
Colour:	brown	No information available
Odour/odour threshold:	typical/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
Lover 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
pH:	5.7 – 6.7	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	Water soluble	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:	1.1 -1.2 g/ml	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available

### **SECTION 10.: Stability and reactivity**



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10.1.	Reactivity:	No decomposition when used as intended. Risk of loss of enzyme activity at temperatures > 10°C, therefore cold storage required.
10.2.	Chemical stability:	No dangerous reactions
10.3.	Possibility of hazardous reactions:	No information available
10.4.	Conditions to avoid:	Stable product
10.5.	Incompatible materials:	No information available
10.6.	Hazardous decomposition products:	No information available

11.1. Inform	ation on toxicological ef	fects					
Acute ·	toxicity:						
Route of exposure:	Method	Method Species		Effective Dose /LC <sub>50</sub> or ATE <sub>mixture</sub>	Expos tim	: H	Results
Oral:	No information available	rat	No ir availa	formation able	-	-	
Dermal:	No information available	rabbit		No information available		-	
Inhalation:	No information available	rat	No information available		-	-	
Specifi	c target organ toxicity -	single exposi	ure (STOT	-SE):			
	Specifi	c effects		Target org	an	No	te
Oral:	No information ava	ailable		No information a	vailable	-	
Dermal:	No information ava	ailable		No information available -			
Inhalation:	No information ava	ailable	No information available -				
Aspira	tion hazard:	Insi	ignificant o	danger at normal	handling t	emperature.	
Irritatio	on and corrosion						
:	Exposure	e time	Spec	ies Evaluati	on	Method	Note
Skin corrosion/irritat	ion No information	No information available		Not irritating.	1	information lable	_
Serious eye damage/irritatio	No information	available	rabbit	Not irritating.	not	specified	-



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Trade name:		ALPHA-AMY	LASE, SOLUTION		
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Skin sensitization	kin sensitization: No informa								
Respiratory sensitization:	No informa	tion available							
Sympto	ms related to the p	hysical, chemic	al and toxicolog	ical characteristi	cs				
Oral exposure:	No informatio	n available							
Dermal exposure	: In case of prol	onged or frequ	ent skin contact	irritation sympto	oms cannot be e	excluded			
Inhalation exposure:	•	•	ation of enzyme dust caused by improper handling may cause allergic ling asthmatic bronchitis for sensitive persons						
Eye exposure:	No informatio	n available							
;									
Repeate	ed dose toxicity (su	bacute, subchro	onic, chronic)	1	1				
	Dose	Exposure time	Species	Method	Evaluation	Note			
Subacute oral	No information available	No information available	No information available	No information available	No information available	-			
Subacute No information dermal available		No information available	No information available	No information available	No information available	-			
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-			
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-			
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-			
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-			
Chronic oral	No information available	No information available	No information available	No information available	No information available	-			
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-			
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-			



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Trade name:		ALPHA-AMY	LASE, SOLUTION	-	
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	Specific target organ tox	icity - repeated (	exposure (ST	OT-RE):			
		Specific effects		Target organ	Note		
Subacu	ite oral	No information a	available	No information available	-		
Subacu	ıte dermal	No information a	available	No information available	-		
Subacu	ıte inhalation	No information a	available	No information available	-		
Subchronic oral		No information a	available	No information available	-		
Subchronic dermal		No information a	available	No information available	-		
Subchronic inhalation		No information a	available	No information available	-		
Chronic oral		No information a	available	No information available	-		
Chronic	c dermal	No information a	available	No information available	-		
Chronic	c inhalation	No information a	available	No information available	-		
	Mutagenicity in-vitro: Genotoxicity: Mutagenicity in-vivo: Germ cell mutagenicity: Reproductive toxicity: Summary of evaluation properties; :	of the CMR	No informa No informa No informa No informa	ation available			
11.2.	Information on other haz	zards:					
11.2.1.	Endocrine disrupting pro	perties:					
	No known endocrir properties that affect hu	1 3					
11.2.2.	Other informations:						
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.						

Toxicity 12.1.



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Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC <sub>50</sub>	96 hours	No information available	No information available	-	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-
Algae/aquatic plants:	IC <sub>50</sub>	72 hours	No information available	No information available	-	-
Other organisms:	-	-	-	-	-	_
Chronic (long- term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	No information available
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	No information available
			No	No	No	No
Algae/aquatic plants:	IC <sub>50</sub>	72 hours	information available	information available	information available	information available

#### 12.2. Persistence and degradability

Time (days)

Abjotic degradation

% 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	-

Method

Evaluation

Note



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Trade name				Α	LPHA-A	IMYLA:	SE, SOLUTION				,	
Product cod	le:	ALF-C	DT-X**		Date of co	ompilati	on: 2	1 Dec 2022		Versior	1:	2
		i.		i		•	<u> </u>			1		
No information No infavailable available		inform e	ation	No information available			No information available		No information available			
							i					
12.3. Bioa	accum	ulative p	otential									
				efficien	nt (log Kov	v)						
Value	Value Concentration pH			°C		thod	Evaluatio	n		Note		
No information available			nation -		-	No infor				No information available		on
Б.			F /D.	~								
	oncer	ntration	Factor (B			N A - 411		Frahratian			NI - 4 -	
Value		NI= :-f	Species			Method		Evaluation			Note	
No informati available	on	availak	ormation ole		No information available			No information available		No inforr available	natior	1
Chr	onic e	cotoxicit	:у									
Va	lue		Dose	E>	kposure time	Spe	ecies	Method	Eva	aluation		Note
Chronic toxic	ity on	fish	LC <sub>50</sub>		rmation lable	No inform availak		No information available	No infor avail	mation able	Not exp	: ected.
Chronic toxic crustacea (Da	-		EC <sub>50</sub>		rmation lable	No inform availat		No information available	No infor avail	mation able	Not exp	ected.
12.4. Mol	oility ii	n soil										
Kno	wn or	predicte	ed distrib	ution ii	n environi	mental co	mpartm	nents:				
Surf	ace te	nsion:				<u>, , , , , , , , , , , , , , , , , , , </u>						
	Value		°C		Concentr	ation		Method		N	ote	



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								rage	13 01 17
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									•
		ormatio ilable	n	No information available	No information available		information ilable	-	
	Ads	orption	n / c	lesorption					
Transpo	ort		-	O coefficient ry's constant	log Kow		Evaporation rate	Method	Note
Soil-Wa	-Water No information available		No informa available	tion	No information available	No information available	-		
Water-	ater-Air No information available		No informa available	tion	No information available	No information available	-		
Soil-Air	Soil-Air No information available				No information available	No information available	-		
12.5.	Res	ults of	PBT	and vPvB assessr	ment				
							ered to be either per (vPvB) at levels of 0.		mulative and
12.6.	End	ocrine	disr	upting properties	5				
	acco	ording	to F	REACH Article 57(	•	elega	onsidered to have en ted regulation (EU) 2	•	•
12.7.	Oth	er adve	erse	effects					
	No	inform	atio	n available					
SECTIO	N 13	. Dispo	sal	considerations					
13.1.	W	aste tr	eatr	ment methods					
13.1.1.				kaging disposal:					
	ot	ther na	tion	al and local regul		icals i	vith the Directive on in original containers		



Transporting/shipment by rail (RID)

UN number:

Trade name:

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amended by Regulation (EU) No. 2020/878

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			·			· ·						
13.1.2.	Waste o	Waste codes/waste designations according to Law:										
	-											
13.1.3.	Waste o	codes/waste designa	ations according to Law:									
		ating the product at stion products.	high temperatures is recom	mended in order to a	void incomplete							
13.1.4.	Sewage disposal – relevant information:											
10.1	Waste must not be disposed of into the sewage system.											
	vvaste .	must not be dispose	d of file the semage system	1.								
13.1.5.	Other o	Other disposal recommendations:										
	-	-										
13.1.6.	Relevar	Relevant Community provisions:										
	-											
SECTIO	N 14. Trai	nsport information										
	Transpor	ting/shipment by ro	ad (ADR)									
UN num	ıber:		Not subject to transpo	rt regulations.								
UN prop	oer shippir	ng name:	-									
Transpo	rt hazard o	class(es):	-									
Packing	group:		-									
Environr	mental haz	zards:	-									
Special r	precaution	ns for user:	-									

UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by	y inland waterways (ADN)
UN number: Not subject to transport regulations.	
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	_

Not subject to transport regulations.



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

SECTIO	SECTION 15. Regulatory information				
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations				
	Authorisations and/or restrictions on use				
	Authorisations:	-			
	Restrictions:	-			



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	None	
15.2.	Chemical safety assessme	nt
	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
	Information according 199 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	Other EU regulations:	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 XVIII);
		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;

SECTIO		
16.1.	Indication of changes:	-
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals  EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:	-



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Trade name:	ALPHA-AMYLASE, SOLUTION				
Product code:	ALF-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classific	cation	Classification procedure			
-		-			
16.5.	Relevant H statements (number and full text)				
	H: 334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.			
16.6.	Training advice:	-			
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging 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



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

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Trading name:	BIOSCHIFF REAGENT				
Product code:	BS-OT-X**	Date of compilation:	17 Jan 2024	Version:	5

		the substance	e/mixture	e and of the company/undertaking		
1.1	Product identifier					
	Trading name:	BIOSCHIFF I	REAGENT			
	Chemical name:	-				
	Catalogue number:	BS-OT-X**	BS-OT-X**			
1.2	Relevant identified us	es of the subst	tance or n	nixture and uses advised against		
	Uses:		For dete	ecting aldehydes and mucous substances.		
	Uses advised against:		Only the	e 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, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039			
	Telephone number:					
	Telefax.:					
	e-mail of competent p	person:	msds@b	<u>oiognost.hr</u>		
	National contact:		_			
1.4	Emergency telephone	number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:		+385 1 2348 342			
	Other information:			-		

SECTIO	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 cate	gory code:	Hazard statements*:		
	-		EUH031		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard	d-statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	BIOSCHIFF REA	GENT		
	Identification number:	-			
	Authorization number: -				
	Hazard pictograms:	-			



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Trading name:	BIOSCHIFF REAGENT				
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	Signal word:	-		
	Hazard statements:	EUH031 Contact with acids liberates toxic gas.		
	Precautionary statements:	P281 Use personal protective equipment as required.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	<b>Endocrine Disrupting Prope</b>	rties:		
	No known endocrine disrupting properties			
	<b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is no PBT or a vPvB.			

SECTION 3. Co	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)		
7681-57-4/ 231-673-0/ 016-063-00-2	01-2119531326-45- XXXX	1 – 3 %	sodium metabisulfite	Acute Tox. 4; H302 Eye Dam. 1; H318 EUH031		
7647-01-0/ 231-595-7/ 017-002-01-X	01-2119484862-27- XXXX	0.7 – 1 %	hydrochloric acid, 36.5%	Skin Corr. 1B; H314 Acute Tox. 3; H331		
569-61-9/ 209-321-2/ 611-031-00-X	-	< 0.1 %	4,4'-(4-iminocyclohexa-2,5-dienylidenemethylene) dianiline hydrochloride; C.I. Basic Red 9	Carc. 1B; H350		

SECT	SECTION 4. First aid measures				
4.1	Description of first aid measure	s			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.			



### SAFETY DATA SHEET rding to Regulation (EC) No. 1907/

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	Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider:	-
4.2	Most important symptoms and effect	cts, both acute and delayed
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.
4.3	Indication of any immediate medica	l attention and special treatment needed
	-	

SECTIO	SECTION 5. Firefighting measures			
5.1	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub> 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:	Sulfur oxides.		
5.3	Advice for firefighters			
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.			
5.4	Additional information			
	Do not contaminate the environmen	t with extinguishing media.		

SECTIO	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. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			



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6.1.2.	For emergency responders:					
	Use protective equipment; in (see Section 8).	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment				
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.				
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. 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:	Do not use incompatible materials (see Section 10).				
6.4	Reference to other sections					
	See Section 7 for information on safe handling. See Section 8 for information on personal protective equipment. See Section 13 for disposal information.					

SECTIO	ON 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:		Use in well ventilated storage rooms.		
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.		
	Measures to protect the environment:		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 incon	npatibilities			
	Technical measures and storage conditions:		ghtly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C.		
	Packaging materials:	Manufactu containers	turer's original packaging. Avoid metal rs.		
	Requirements for storage rooms and vessels:	Keep away	y from food and drink. Keep the containers sed.		



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	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 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

8.1 Cont	rol parame	ters						
Subs	Substance CA		-		ational exposure limit		Biological limit values	
				ppm		mg/m³		-
sodium metal	sodium metabisulfite 7681-57-4					5/-	No i	nformation available
Substance na	me: -							
EC No:	-	CAS No	): -					
DNEL	i	1	:					
				Industri	al			
Route of exposure:			Acute effect systemic			Chronic effect local		Chronic effect systemic
Oral	-		-	-	-			-
Inhalation	-		-		-			-
Dermal	-		-		-			-
Critical physic	al paramet	ers: solubility	, flammabili	ty, corrosivi	ty:	-		
				Consum	er			
Route of exposure:	e	Acute effect local		tute systemic	Chronic effect local			Chronic effect systemic
Oral	-		-		-		-	
Inhalation	nhalation			-			-	
Dermal	-		-		-			-
PNEC								
Environmental protection target PNEC								



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No information available  No information available  No information available
No information available
No information available

8.2	Exposure controls		Exposure controls				
8.2.1.	Appropriate engineering controls						
	Substance/mixture related measu prevent exposure during identified		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structural measures to prevent exposure:		In accordance with Section 7.				
	Organisational measures to preve exposure:	nt	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to prevent ex	posure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.				
8.2.2.	Personal protection equipment						
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.					
8.2.2.2.	Skin protection	.1					
	Hand protection:	Protec	tive nitrile gloves, 0.11 mm thick (EN 374).				
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) ng sleeves (EN 340) and shoes that cover the entire foot.				
8.2.2.3.	Respiratory protection:	combii	le mask (EN 136) or half mask (EN 140) equipped with a ned "A1 + Form" filter (EN 143) used when concentration exceed GVI.				
8.2.2.4.	Thermal hazards:	No info	ormation available				
8.2.3.	Environmental exposure controls						
	Substance/mixture related measures to prevent exposure:	See Section 6					
	Structural measures to prevent exposure:	Use mo	odern equipment.				



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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

Information on basic physical and	chemical properties	
	Value	Method
Physical state:	liquid	No information available
Colour:	colourless	No information available
Odour/odour threshold:	sharp/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
Lover 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
pH:	<2	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
Other information		

SECTIO	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				



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10.4	Conditions to avoid:	No information available
10.5	Incompatible materials:	Strong oxidants (acids).
10.6	Hazardous decomposition products:	Sulfur dioxide, sodium oxide.

SECTION 11	l. Toxicological	information						
11.1 Info	ormation on toxic	cological effects						
Acu	ite toxicity:							
Route of exposure:	Method	Species		LD <sub>50</sub> /LC <sub>50</sub> ATE <sub>mix</sub>	Exposure time			Results
Oral:	rat (sodium metabisulphite mouse (C.I. Bas Red 9)		LD <sub>50</sub>		-			1.540 mg/kg (sodium metabisulphite) 5.000 mg/kg (C.I. Basic Red 9)
Dermal:	OECD Test Guideline 402	rat	No inforn availa	nation ble	_			>2.000 mg/kg (sodium metabisulphite)
Inhalation:	OECD Test Inhalation: Guideline 403		No information available		4h			>5.5 mg/l (sodium metabisulphite)
Spe		n toxicity – single expo	osure (ST					
0 1		Specific effects			arget organ			Note
Oral:	No information			No information available -				
Dermal:	No information			No information available -  No information available -				
Inhalation:	No information	n available		No inform	ation availa	ible	-	
Asp	piration hazard:	No	o inform	ation availa	able.			
Irrit	ation and corros	ion						
	E	xposure time	Spe	cies	Evaluati on	Method		Note
Skin		-			-	-	-	
Serious eye					-	-	_	
Sen	sitization							
Skin sensitiz		No information avail	able					



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Sympto	ms related to the p	hysical, chemic	al and toxicolog	gical characterist	ics	
Oral exposure: May cause gastrointestinal irritation accompanied by abdominal pains and cramps; h levels of concentration may induce vomiting and diarrhea.						
Dermal exposure	: May cause s	kin irritation.				
Inhalation expos	ure: exposure an		y sensitive pers	_	oncentration, prolon sm may occur, as we	-
Eye exposure:	May cause e	ye irritation.				
Danasta	al ala a a travilaito ( / / / / /					
Repeate	d dose toxicity (sub		onic, chronic)			
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-



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	Specific target	organ toxicity – repeated expo	sure (STOT RE):	•	
		Specific effects	5	Target organ	Note
Subacu	ite oral	No information available		No information available	-
Subacu	ite dermal	No information available		No information available	-
Subacu	ubacute inhalation No information available			No information available	-
Subchr	onic oral	No information available		No information available	-
Subchr	onic dermal	No information available		No information available	-
Subchr	onic inhalation	No information available		No information available	-
Chronic	nronic oral No information available			No information available	-
Chronic	Chronic dermal  No information available  Chronic inhalation  No information available			No information available	-
Chronic				No information available	-
	1				
		arcinogenicity; mutagenicity; re		-	
	Carcinogenicit		No informatio		
	Mutagenicity i	n vitro:	No informatio		
	Genotoxicity:		No informatio	on available	
	Mutagenicity i		No informatio		
	Germ cell mut		No informatio		
	Reproductive	toxicity:	No informatio	n available	
	Summary of properties:	evaluation of the CMR	No informatio	on available	
11.2	Information or	n other hazards:			
11.2.1	Endocrine disr	upting properties:			
	No known en	docrine disrupting properties			



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11.2.2	Other informations:
	-

12.1 Toxicity						
Acute (short-term toxicity	n) Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	Golden orfe (sodium metabisulphite) Mosquito fish (hydrochloric acid)	No information available	316 mg/l (sodium metabisulphite) 282 mg/l (hydrochloric acid)	-
Crustacea:	EC <sub>50</sub>	48 hours	Daphnia magna (sodium metabisulphite)	No information available	89 mg/l (sodium metabisulphite)	_
Algae/aquatic pla	ants IC <sub>50</sub>	4 days	Green algae (sodium metabisulphite)	No information available	43.8 mg/l (sodium metabisulphite)	_
Other organisms	-	-	-	-	-	-
Chronic (long-ter toxicity	m) Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	_
Algae/aquatic pla	ants IC <sub>50</sub>	72 hours	No information available	No information available	No information available	_
Other organisms	-	-	-	-	-	-
	nce and degrada	bility				
Abiotic o	degradation					
	Degradation h		Method	Evaluation		te
Marine water	No information	availahla 🗀	No information available	No information	on -	



Trading name:

### **SAFETY DATA SHEET**

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

**BIOSCHIFF REAGENT** 

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Trauling Harrie.					вюзспігг і	VE/VOEIVI				
Product code:	BS-OT->	<b>&lt;</b> **		Dat	e of compilation	n: 17 Jan 2	2024	,	Version:	5
Fresh water	No informat	ion availab	le	No in	formation ble	No information		-		
Air	No informat	ion availab	ole	No in availa	formation ble	No information		-		
Soil	No informat	ion availab	le	No information available		No information	on	-		
Biodea	radation									
% Degradatio		me (days)			Method	Evaluation	n i		Note	
No information available	No availab	informat	tion	No in availa	formation ble	No information available		No inf availal	formation ble	
Octano	ımulative pot I-water partit		ient (lo	og Kov	v)			***		
Value	oncentratio n	рН		°C	Method	Evaluati	ion		Note	
-		-	-		-	-		-		
Biocone	centration fac	tor (BCF)								
Value	S	pecies	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Method	Evaluatio	n		Note	
No information available	No available	informat		No inta	formation ble	No information	on	-		
Chronic	ecotoxicity									
Value	Do	se	Expo		Species	Method	Evalu	ation	Note	
Chronic toxicity on fish	LC <sub>50</sub>	i	No inform n avai		No information available	No information available	No inforr on availa		-	



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Tradin	g nam	ne:			BIO	SCHIFF F	REAG	ENT			
Produc	ct cod	e: BS	S-OT-X**	Date	e of cor	mpilation	ı:	17 Jan 2	2024	Version:	5
Chronic on crus ( <i>Daphn</i>	tacea	- 1	C <sub>50</sub>	No informatio n available	No info	ormation le		rmation lable	No informati on available	-	
12.4	Mobi	ility in so	il								
	Knov	vn or pre	dicted distributi	on in environm	nental co	ompartme	ents:				
	No ir	nformatio	n available								
	Surfa	ice tensio	on:	-							
	V	'alue	°C	Concentra	ation	l	Metho	od		Note	
	No infor availa	mation able	No information available	No informa available	ition	No infor		n	-		
	Adso	orption / o	desorption								
Transpo		A/D	coefficient /'s constant	log Kow	Ev	aporation	rate	V	lethod	Note	<u>,</u>
Soil-wa	tor	No available	information	No information		informat ailable	ion	No info	ormation le	-	
Water-a	air :	No available	information	No information		informat ailable	ion	No info	ormation le	-	
Soil-air		No available	information	No information		informat ailable	ion	No info	ormation le	-	
12.5.	Resu	Its of PBT	and vPvB asses	ssment							
	Subs	tance(s) i	n the mixture d	o(es) not meet	the crit	eria for Pl	BT or	vPvB			
12.6.	Endo	crine disi	rupting properti	ies							
	accoi	rding to F	e/mixture does r REACH Article 5 U) 2018/605 at I	7(f) or Commis	sion De	legated re					
	Othe	er adverse	e effects								
12.7.											



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13.1	Waste treatment methods						
13.1.1.	Product/Packaging disposa	al:					
	Submit for disposal to the Protection.	legal person authorized by the Ministry of Environmental and Nature					
13.1.2.	Waste codes/waste designate	ations according to Law:					
	Packaging that contains res	sidual hazardous substances or is contaminated with hazardous substances					
13.1.3.	Waste treatment – relevant	t information:					
	No information available						
13.1.4.	Sewage disposal – relevant	information:					
	Waste must not be dispose	ed of into the sewage system.					
13.1.5.	Other disposal recommend	Other disposal recommendations:					
	authorized by the ministry	luct's remains into the sewage system. Submit the remains to the collectors in charge. Do not dispose of the packaging into the sewage system. Submit stors authorized by the ministry in charge.					
13.1.6.	Relevant Community provis	sions:					
	-						
SECTIO	N 14. Transport information						
	Transporting/shipment by ro	ad (ADR)					
UN num	nber:	Not subject to transport regulations					
UN prop	per shipping name:						
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environr	mentally hazardous:	-					
Special	precautions for user:	-					
	Transporting/shipment by ra	il (RID)					
UN num	nber:	Not subject to transport regulations					
UN prop	per shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environr	mentally hazardous:	-					



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Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC.	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

SECTI	ECTION 15. Regulatory information				
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations				
	Authorization and/or	restrictions of use			
	Authorizations:	-			
	Restrictions:	-			



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	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 assessment			
	None			

SECTIO	ON 16. Other information	
16.1	Indication of changes:	-
16.2	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:	-



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16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classification		1	Classification procedure		
_			-		
16.5.	Rele	evant H statements (num	ber and full text)		
		302	Harmful if swallowed.		
		314	Causes severe skin burns and eye damage		
	H: 318 331		Causes serious eye damage.		
			Toxic if inhaled.		
		350	May cause cancer.		
	EUH031		Contact with acids liberates toxic gas.		
16.6.	Trai	ning advice:	-		
	.7. Further information:		** "X" in the product code marks different volumes (different packagings of the product)		
16.7.			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
-



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Trading name:	BLUING REAGENT			
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7

1.1.	Product identifier	tile substant	e/mixture and of the company/undertaking		
1.1.		DI LUNIC DE	ACENIT		
	Trading name:	BLUING RE	AGENI		
	Chemical name:	-	-		
	Catalogue number:	BR-OT-X**			
1.2.	Relevant identified us	nt identified uses of the substance or mixture and uses advised against		ture and uses advised against	
	Uses:		For conver	sion of red hematoxylin stained nuclei to blue.	
	Uses advised against:		Only the id	lentified uses are advised.	
	Reason why uses adv	sed against:	medical de	e product is intended for use only as an <i>in vitro</i> diagnostic edical device, registered at the Agency for Medicinal Products and edical Devices and there is no reason to use it for other purposes	
1.3.	Details of the supplie	r of the safety	data sheet		
	Supplier:	В	ioGnost Ltd.	Gnost Ltd.	
	Address:	N	edjugorska 59, Zagreb		
	<b>-</b> 1 1	lephone number: +385 1 24		)9997	
	Telephone number:	+	385 1 240999	97	
	Fax no.:		385 1 240999 385 1 240403		
	•	+		39	
	Fax no.:	+	385 1 240403	39	
1.4.	Fax no.: e-mail of competent	+ person: <u>m</u>	385 1 240403	39	
1.4.	Fax no.: e-mail of competent National contact:	person: m	385 1 240403 nsds@biogno	39	
1.4.	Fax no.: e-mail of competent National contact: Emergency telephone	person: m	385 1 240403 nsds@biogno	ist.hr	

SECTIO	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 categor	y code: Haza	rd statements*:			
	Not identified as hazardous substance					
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-s	atements: see Section 16				
2.2.	Label elements					
	Product identification:	BLUING REAGENT				
	Identification number: -					
	Authorization no.: -					
	Hazard pictograms: -					



**Endocrine Disrupting Properties:** 

No known endocrine disrupting properties.

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

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Trading name:		BLUING REAGENT					
Product code: BR-OT-X**		Date of compilation:	23 January 2023	Version: 7			
Signal v	vord:	-					
Hazard	statements:	-					
Precaut	ionary statements:	-					
Supplemetal hazard information (EU):		-					
2.3. Other h	azards						

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	-					

SECTIO	ON 4. First aid measures						
4.1.	Description of first aid measures						
	General notes:		-				
			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:		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 aider:		Treat symptomatically.				
4.2.	Most important symptoms a	nd eff	ects, both acute and delayed				
	Following inhalation:	No i	nformation available				
	Following skin contact:	No i	nformation available				
	Following eye contact:	No i	nformation available				
	Following ingestion:	No i	nformation available				
4.3.	Indication of any immediate	medic	cal attention and special treatment needed				



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Trading name:	BLUING REAGENT						
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SECTION	SECTION 5. Firefighting measures						
5.1.	Extinguishing media						
	Suitable extinguishing media:  Small fire - water spray, dry powder, CO <sub>2</sub> 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, protect	Personal precautions, protective equipment and emergency procedures					
6.1.1.	For non-emergency personne						
	Protective equipment:	Use personal protective equipment (see Section 8).					
	Accident prevention methods: Evacuate members of all non-essential personnel and the members without protective equipment. Remove all sources sparks and ignition. Do not smoke.						
	Emergency procedures:	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 sections					
	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	TION 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:		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 ventilated storage rooms, and away from sources of sunlight, and other incompatible substances.						
	Packaging materials:	Manu	facturer's original packaging.					
	Requirements for storage rooms and vessels:	Keen away from food and drink Keen the containers						
	Advices for storage equipment:							
	Further information on storage conditions:	and d	ot place the unused material in the storage room to not use empty containers for storing other icals. Do not store with incompatible materials (see on 9).					
7.3.	Specific end use(s)							



Soil (agricultural)

### **SAFETY DATA SHEET** BIOGNOST® According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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								rage 5 or 10
Trading name:		BLUING REAGENT						
Product code:	BR-OT-	BR-OT-X** Date of co				23 January	2023	Version: 7
	nendations:	• • • • • • • • • • • • • • • • • • • •			-			
Industri	al sector spe	ecific solution	ns:		-			
SECTION 8. Exp	ocuro contr	ols/porsons	al protoci	tion				
	parameters	ois, personi	ai protect	CIOII				
	•			Occu	pational e	exposure limit		
Substan	ce	CAS I	No		•	term values	Biolo	gical limit values
				р	pm	mg/m³		
-		-			-	-	No informa	ation available
Substance - name:								
EC No: -		CAS No:	_					
DNEL								
				Ind	ustrial			
Route of exposu	re.	Acute Acut		Acute	!	Chronic		Chronic
Noute of exposur	eff	effect local effect sy		ct syst	emic	effect local		effect systemic
Oral	-		-			-	-	-
Inhalation	-		-			-	-	-
Dermal	-		-			-	-	-
Critical physical p	parameters:	solubility, fla	ammabilit	y, corr	osivity:	-		
			ı	Con	sumer			
Route of exposu	re·	Acute ect local	offo	Acute ct syst		Chron effect lo		Chronic effect systemic
Oral	-	ect iocai	-	ct syst	erriic	- enectic	-	
Inhalation	_		_			_		
Dermal	_		_			_		
PNEC								
Environmental p	rotection tar	get			PNEC			
Fresh water					No inforr	mation availabl	e	
Freshwater sediments					No inforr	mation availabl	e	
Marine water					No information available			
Marine sediments					No information available			
Food chain					No information available			
Microorganisms in sewage treatment					No information available			

No information available



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Air			No information available			
8.2.	Exposure controls					
8.2.1.	Appropriate engineering controls					
	Substance/mixture relate measures to prevent expeduring 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 pr exposure:	event	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 prexposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			
8.2.2.	Personal protection equip	oment				
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 1 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 res (EN 13034), and shoes that cover the entire foot (EN 10335).			
8.2.2.3.	Respiratory protection:	filter fo	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN ) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	ormation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relate measures to prevent expe		See Section 6			
	Structural measures to prexposure:	event	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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Trading name:	BLUING REAGENT					
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7		

	Value	Method	
Physical state:	liquid	No information available	
Color:	ight blue	No information available	
Odour/odour threshold:	no information available/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	
Lover 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	
pH:	>8.0	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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Trading name:	BLUING REAGENT					
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7		

	n on hazard classes as	defined in Regu	ulation (EC) No 127	72/2008			
Route of exposure:  Method Speci			Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure t	ime Results		
Oral exposure:	No information available	-	LD <sub>50</sub>	-	-		
Dermal exposure:	No information available	-	LD <sub>50</sub>	-	-		
Inhalation exposure:	No information available	-	LC <sub>50</sub>	_	-		
Specific ta	get organ toxicity – si	ingle 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 -				
	i i		i .		<u> </u>		
Aspiration	hazard:	No infor	mation available				
· ·							
Irritation a	nd corrosion:						
;	Exposure time	Species	Evaluation	Method	Note		
Skin irritation:	-	-	-				
Eye irritation:	_	-	-				
				I			
Sensitization	on						
Dermal exposure:	No information avail	able					
Inhalation exposure:	No information avail	able					
-	:						
Symptoms	related to the physica	al, 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						
Dermal exposure:	· · · · · · · · · · · · · · · · · · ·	•	ure, resorption effe ngling sensation o		ely. Long-term exposure		



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Trading name:	BLUING REAGENT					
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Inhalation exposition.		large amount eezing, heada	•		dequately vent	ilated perimete	er may cause	
Eye exposure:  Direct eye co			ontact may cause slight to moderate irritation, lacrimation and burning					
Repeate	ed dose	toxicity (sub	acute, subchro	onic, chronic	c)			
į <b>'</b>		Dose	Exposure time	Species	,	Method	Evaluation	Note
Subacute oral	No i availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Subacute dermal	No ii availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Subacute inhalation	No ii availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Subchronic oral	No i availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Subchronic dermal	No i availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Subchronic inhalation	No ii availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Chronic oral	No ii availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Chronic dermal	No ii availal	nformation ble	No information available	No information available	on	No information available	No information available	-
Chronic No information inhalation available		No information available	No information available	on	No information available	No information available	-	
Specific	target (	organ tovicit	y – repeated e	YNOSURA (ST	TOT RI	=).		
Specific	. target (		pecific effects			Target org	an	Note
Subacute oral			tion available					
Subacute derma	I	No informa	ntion available		No in	formation ava	ilable -	
Subacute inhalat	ion	No informa	ntion available		No in	formation ava	ilable -	



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Trading name:			BLUING REAGENT					
Produc	t code:	BR-OT-X**	Date of compilation		23 January 2023	Version: 7		
Subchro	onic oral	No information	on available	No ir	formation available	-		
Subchro	onic dermal	No information	on available	No ir	formation available	-		
Subchro	onic inhalati	on No information	on available	No ir	formation available	-		
Chronic	oral	No informati	on available	No ir	nformation available	-		
Chronic	dermal	No informati	on available	No ir	nformation available	-		
Chronic	inhalation	No information	on available	No ir	formation available	-		
	CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)							
	Carcinoge	nicity:	Current studies o	Current studies on test animals did not indicate carcinogenic effects.				
	Mutagenio	city in-vitro:	Current in vitro tests did not indicate mutagenic effects.					
	Genotoxic	ity:	No information available					
	Mutagenio	city in-vivo:	Current in vivo	Current in vivo tests did not indicate mutagenic effects.				
	Germ cell	mutagenicity:	No information available					
	Reproduct	ive toxicity:	No toxicity on reproductive organs was determined in reproductive organs.					
	<u>-</u>							
	Summary	of evaluation of the	CMR properties:	-				
11.2.	Informatio	n on other hazards						
11.2.1.	Endocrine	disrupting properti	es:					
	No known	endocrine disrupti	ng properties that af	fect hum	an health.			

SECTION 12	Ecological	information
52011011 12	Leological	oac.o

Other informations:

11.2.2.

#### 12.1. Toxicity Exposure Acute toxicity Dose **Species** Method Evaluation Note time No information No information Fish $LC_{50}$ 96 hours available available No information No information EC<sub>50</sub> Crustacea: 48 hours available available No information No information Algae/aquatic plants $IC_{50}$ 8 days available available Microorganisms 72 hours $LC_{50}$ Chronic (long-term) Exposure Dose Species Method Evaluation Note toxicity time



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Trading name:	BLUING REAGENT						
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7			
Product code:	BK-O1-X^^	Date of compliation:	23 January 2023	version: 7			

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

#### 12.2. Persistence and degradability

Abiotic 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	-

Biod	aar	าฝา	tion

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

#### 12.3. Bioaccumulative potential

Octanol-water partition coefficient (log Kow)

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

ыосопсен	itration factor (BCF)			
Value	Species	Method	Evaluation	Note



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mading	g name:		BLUING REAGENT								
Produc	ct code:	BR-	-OT-X**	Date of compilation:		23 Jan	nuary 2023 Versi		sion: 7		
No information No informavailable available		nation No information available		No info	information ilable		No information available				
	Chronic	ecotoxi	icity								
	Value		Dose		osure me	Species	Met	hod	Eval	uation	Note
Chronic	toxicity o	on fish	LC <sub>50</sub>	No infori availa	mation able	No information available	No informa availab	ation i	No nform availab		-
Chronic toxicity on crustacea ( <i>Daphnia</i> )		EC <sub>50</sub>	No N information in		No information available	No ormation information		No tion information		-	
12.4.	Mobility	y in soil									ı
	Known	or predi	cted distributi	on in e	environme	ental compart	ments.				
		······				entar compan					
			available				inches.				
	Surface	tension	available :			I					
		tension ie	available	Co	oncentrat informat ilable	ion	Metho		-	N	ote
	Surface Valu No informa	tension ie	available :     °C No information	Co	oncentrat	ion No inf	Metho		_	N	ote
	Surface Valu No informa available	tension ue tion e	available :     °C No information	Co	oncentrat	ion No inf	Metho		-	N	ote
Transpo	Surface Valu No informa available Adsorpt	tension  ue  ution  e  tion / de	available :	No ava	oncentrat	ion No inf	Metho Formation ole			N	ote
Transpo Soil-wa	Surface Valu No informa available  Adsorpt ort No	tension  ue  ution  e  tion / de  A/D co  Henry's	available :  °C  No information available  esorption pefficient	No ava	informat ilable og Kow	ion No inf availal	Metho formation ole on rate	1	hod		
	Surface Valu No informa available  Adsorpt  ort  ter No ava No	tension  ue  tion / de  A/D co  Henry's  ailable	available :	No ava	information of the information o	ion No infavailal  Evaporati  No informavailable	Methorical	Met No infor	hod	n -	



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Trading name:		BLUING R	EAGENT	
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7

12.6.	Endocrine disrupting properties
	No known endocrine disrupting properties that affect the environment.
	3 P P P P P P P P P P P P P P P P P P P
12.7.	Other adverse effects
	No adverse effects are expected.
SECTION	I 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 Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	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. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-
SECTION	I 14. Transport information
	Transporting/shipment by road (ADR)
UN numl	per: Not subject to transport regulations.
UN prop	er shipping name: -
Transpor	t hazard class(es): -



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Trading name:	BLUING REAGENT				
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7	
		············			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by rai	l (RID)			
UN number:		Not subject to transport	regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	for user:	-			
Inland wat	erway transport (A	DN)			
UN number:		Not subject to transport	regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by sea	a (IMDG)			
UN number:		Not subject to transport	regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by air	(ICAO-TI/IATA-DGR)			
UN number:		Not subject to transport	regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	for user:	-			
Further information	: The produc	t is not subject to classification	on.		



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Trading name:		BLUING	REAGENT	
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7

15.1.	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or rest	rictions 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 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	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	

SECTIO	SECTION 16. Other information					
16.1.	Indication of changes:	-				
		PBT	Stable, bioaccumulative and toxic			
		vPvB	Strongly stable and strongly bioaccumulative.			
16.2.	Abbreviations and acronyms:	LD <sub>50</sub>	Lethal dose, 50%			
		LC <sub>50</sub>	Lethal concentration, 50%			
		STOT-SE	Specific target organ toxicity - single exposure			



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16.3.	Key literature references and source of data:	-			
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)			
Classific	cation	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
-



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

1.1.	Product identifier	Product identifier					
	Trading name:	HEMATO	HEMATOXYLIN ML				
	Chemical name:	-					
	Catalogue number:	HEMML	-OT-X**				
1.2.	Relevant identified use	es of the su	ubstance or m	ixture and uses advised against			
	Uses:		Modified	hematoxylin acc. to Mayer-Lillie for nuclear staining.			
	Uses advised against:		Only the	identified uses are advised.			
	Reason why uses advi	sed agains	t: medical o	he product is intended for use only as an <i>in vitro</i> diagnostic nedical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes			
1.3.	Details of the supplier	of the safe	ety data sheet				
	Supplier: Bid		BioGnost Ltd.	3ioGnost Ltd.			
	Address:	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 24099	+385 1 2409997			
	Fax no.: +		+385 1 2404039				
	e-mail of competent p	erson:	msds@biognost.hr				
	National contact:		-				
1.4.	Emergency telephone	Emergency telephone number					
	National Protection ar	nd Rescue	Directorate:	112			
	Medical information:			. 205 1 2240 242			
	Medical information:			+385 1 2348 342			

SECTIO	ECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture						
2.1.1.	Classification according to Regul	ation (EC) No 1272/20	08 (CLP)				
	Hazard class and cate	gory code:	Hazard statements*:				
	Eye Irr. 2 H319						
2.1.2.	Additional information						
	-						
*For ful	I text of Hazard- and EU Hazard-sta	atements: see Section	16				
2.2.	Label elements						
	Product identification: HEMATOXYLIN ML						
	Identification number: -						
	Authorization no.:	-					



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

	Hazard pictograms:	GHS07			
	Signal word:	Warning			
	Hazard statements:	H319 Causes serious eye irritation.			
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.			
	Supplemetal hazard information (EU):	-			
2.3.	Other hazards				
	Endocrine Disrupting Properties:				
	No known endocrine disrupting properties <b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is not a PBT or a vPvB.				

SECTION 3. C	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)				
7784-31-8/ 616-524-3/ -	-	3 – 4 %	aluminum sulfate octadecahydrate	Eye Dam. 1; H318				

SECTI	SECTION 4. First aid measures						
4.1.	Description of first aid measu	ures					
	General notes:	Take off contaminated clothing.					
	Following inhalation:	Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.					
	Following skin contact:	Rinse skin with water/shower. In all cases of doubt, or when symptoms persist, seek medical advice.					
	Following eye contact:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.					
	Following ingestion:	Rinse mouth. Call a doctor if you feel unwell.					



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Trading name:	HEMATOXYLIN ML						
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	Self-protection of the first aider: Treat symptomatically.						
4.2.	Most important symptoms and effects, both acute and delayed						
	Following inhalation:	Following inhalation: No information available					
	Following skin contact:  No information available  Following eye contact:  Risk of blindness, Risk of serious damage to eyes.						
	Following ingestion:	No information available					
4.3.	Indication of any immediate medical attention and special treatment needed						
	-						

SECTIO	N 5. Firefighting measures		
5.1.	Extinguishing media		
	Suitable extinguishing media:	Small fire - water spray, dry powder, foam, CO <sub>2</sub> 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		
	Do not enter fire area without pro	per protective equipment, including respiratory protection.	
5.4.	Additional information		
	Remove sources of heat and ignit Do not contaminate the environm		

SECTIO	N 6. Accidental release measures	
6.1.	Personal precautions, protective equ	uipment 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. Remove all sources of sparks and ignition. Do not smoke.
	Emergency procedures:	Mark the area using proper signs.
6.1.2.	For emergency responders:	
	Do not enter fire area without prope	er protective equipment, including respiratory protection.
6.2.	Environmental precautions:	
	Do not dispose of in sewage, draina Protection and Rescue Directorate (	ge system and waterways. In case of large spillage contact National NPRD) on 112.
6.3.	Methods and material for containm	ent and cleaning up



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Trading name:		HEMAT	OXYLIN ML		
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6.3.1.	Bunding, covering of drains; capping procedures:	Covering of drains. Take up mechanically.			
6.3.2.	Cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers. 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:	Place in appropriate containers for disposal.			
6.4.	Reference to other sections				
	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 generat	ion: Secure proper ventilation.				
	Measures to protect the environment:	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 well ventilated place.				
	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)					



Marine sediments

Soil (agricultural)

Microorganisms in sewage treatment

Food chain

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Trading nam	ie:					HEMA	TOXYLIN ML		-	
Product cod	e:	HEMMI	OT-X**	R	Revisio	on date:	27.03.2023.		Version:	9
Dane										
		ndations:	· c· 1 .·			-				
Indu	istriai	sector spe	ecific solutio	ns:		-				
SECTION 8. E	vnosi	ure contr	ols/nerson:	al protec	tion					
		rameters	ois/persoria	ii protec						
0.1.	ti Oi pe	iranie ters			00	cupation	al exposure limit			
Subs	tance		CAS I	No		•	ort term values	E	Biological limit v	alues
						ppm	mg/m³			
-			-			-	-	No ir	nformation avail	able
Substance name:	Alun	ninium su	lphate octa	decahydı	rate					
EC No:	233-	-135-0	CAS No:	o: 7784-31-		-8				
DNEL										
					Inc	dustrial				
Route of		A	cute Acute		9	Chronic		Chron	ic	
exposure:		effe	ect local effect sys		ct syst	temic	effect local		effect syst	temic
Oral		-		-			-		-	
Inhalation		-		-			-		13,4 mg/m <sup>3</sup>	
Dermal		-		-			_		3,8 mg/kg bw,	/day
Critical physic	al par	ameters:	solubility, fla	ımmabili	ty, cor	rosivity:	-			
		_			Co	nsumer				
Route of			Acute	Acute			Chronic		Chron	
exposure:		effe	ect local	effe	effect systemic		effect local		effect syst	temic
Oral -		-		-			-		-	
Inhalation -			-			-		-		
Dermal		-		-			-		-	
PNEC										
Environmental protection target				PNEC						
Fresh water						No information available				
Freshwater se	dimer	nts				No information available				
Marine water			No information available							

No information available

No information available

No information available

No information available



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Air			No information available		
8.2.	Evnocuro controle				
8.2.1.	Exposure controls				
0.2.1.	Engineering measures  Substance/mixture relate	-d			
	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 preserve:	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	pment			
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				
	Chem 374. Hand protection:		Glove material: nitrile rubber Glove thickness: > 0.11 mm Break through time: >480 min		
	Other skin protection:		or antistatic clothing made of natural fibers (such as cotton) with long evves (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	In cas	se of inadequate ventilation wear respiratory protection.		
8.2.2.4.	Thermal hazards:	No in	nformation available		
8.2.3.	Environmental exposure	control	s		
	Substance/mixture relate measures to prevent exp		See Section 6		
	Structural measures to preserve:	revent	Use modern equipment.		
	Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace. Keep away from drains, surface and ground water.		
	Technical measures to prexposure:	event	See Section 6		

SECTIO	SECTION 9. Physical and chemical properties		
9.1.	1. Information on basic physical and chemical properties		
		Value	Method



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	Physical state:	liquid	No information available
	Color:	dark red	No information available
	Odour/odour threshold:	glycerol like/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
	Lover 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
.2.	Other information		

SECTIO	ECTION 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.				

SECTIO	SECTION 11. Toxicological information				
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008				
	Acute toxicity:				



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Product code:	HEMML-OT-X**	Revision date:	e: 27.03.2023.		Version: 9	
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or	Exposui time	re Results	
Oral exposure:	anhydrous (ECHA)	rabbit	ATE <sub>mixture</sub>	-	>2.000-<5.000 mg/kg (aluminium sulphate octadecahydrate)	
Dermal exposure:	anhydrous (ECHA)	rat	LD <sub>50</sub>	-	>5.000mg/kg (aluminium sulphate octadecahydrate)	
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-	
Specific ta	rget organ toxicity – singl	•	1			
	Specific	Specific effects		et organ	Note	
Oral exposure:	No information available		No information available		-	
Dermal exposure:	No information avai	No information available		nation	-	
Inhalation exposure	e: No information avai	No information available		nation	-	
Respirator	y irritation:	No information av	ailable			
Irritation a	and corrosion					
l l	Exposure time	Species	Evaluati on	Meth od	Note	
Skin irritation:	-	-	-	-		
Eye irritation:	_	-	-	- C	auses serious eye damage	
Sensitizati						
Dermal exposure:	No information available					

Sensitizati	on					
Dermal exposure:	No information available					
Inhalation exposure:  No information available						
Symptom	s related to the physical, chemical and toxicological characteristics					
Oral exposure:	No information available					
Dermal exposure:	No information available					



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Inhalation expos	ure:	No informati	on available					
Eye exposure:		Causes serio	us eye damage	9				
Repeat	ed dos	se toxicity (sub	oacute, subchr	onic, chronic)				
		Dose	Exposure time	Species	Method	Evaluation	า	Note
Subacute oral	No availa	information able	No information available	No information available	No information available	No inform	nation	-
Subacute dermal	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Subacute inhalation	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Subchronic oral	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No information available		-
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Chronic oral	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Chronic dermal	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Chronic inhalation	No availa	information able	No information available	No information available	No information available	No information available		-
Specific	targe	t organ toxici	ty – repeated e	•	-			
			Specific effect	:S	Target or			Note
Subacute oral			tion available		No information		-	
Subacute derma			tion available		No information		-	
Subacute inhalat	tion		ition available		No information		-	
Subchronic oral		No informa	ition available		No information	available	_	



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Subchro	onic dermal	No information avai	lable	No information available	-		
Subchro	Subchronic inhalation No information ava		lable No information available		-		
Chronic	oral	No information avai	lable	No information available	-		
Chronic	dermal	No information avai	lable	No information available	-		
Chronic inhalation No information avai			lable	No information available	-		
	CMR effects (	carcinogenicity, mutag	enicity, reproduct	ive toxicity)			
	Carcinogenicity:		No information	available			
	Mutagenicity in-vitro:		No information available				
	Genotoxicity:		No information available				
	Mutagenicity	in-vivo:	No information available				
	Germ cell mut	agenicity:	No information available				
	Reproductive	toxicity:	No information available				
	Summary of e	valuation of the CMR	properties:	-			
11.2.	Information o	n other hazards:					
11.2.1.	Endocrine dis	rupting properties:					
	No known properties that	endocrine disrupt It affect human health.	•				
11.2.2.	Other informa	ations:					

<b>SECTION</b>	12. Ec	ologica	I inforn	nation
----------------	--------	---------	----------	--------

#### Toxicity 12.1.

Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	Fish	ЕСНА	>85.9 mg/l (aluminium sulphate octadecahydrate)	-
Crustacea:	EC <sub>50</sub>	48 hours	aquatic invertebrates	ЕСНА	>200 mg/l (aluminium sulphate octadecahydrate)	-
Algae/aquatic plants	IC <sub>50</sub>	8 days	algae	No information available	-	-



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Trading name:	HEMATOXYLIN ML				
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9

Microorganisms	LC <sub>50</sub>	72 hours	-	-	_	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organisms	EC <sub>50</sub>	180 min	microorganisms	ECHA	>1.000 mg/l (aluminium sulphate octadecahydrate)	-

#### Persistence and degradability 12.2.

Abiotic 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	-

Biodegradation

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

#### Bioaccumulative potential 12.3.

Partition coefficient: n-octanol/water (log Kow):

Malua	Camaantustian	-11	۰,۲	Mathaad	F	NI-t-
Value	Concentration	рН	°C	Method	Evaluation	Note
-	No information available	-	-	No information available	No information available	-



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

V	alue		Species		Meth	hod	Eva	aluation		Not	:e
No info availabl	rmation e	No avai	inform lable	nation	No information available		No information available			No information available	
	Chronic	ecotox	icity								
	Value		Dose		osure me	Species	Meth	od	Ev	aluation	Note
Chronic	toxicity or	n fish	LC <sub>50</sub>	No inforr availa	nation i	No nformat on available	No inform available	ation	No information available		-
Chronic toxicity on crustacea ( <i>Daphnia</i> )		EC <sub>50</sub>	_	No information available No information available		ation	No information available		-		
		mation	icted distribut n available n:	ion in e	environme	ntai com	partments:				
	Value		°C		Concen	tration	Meth	od		Note	
	No information available			mation No inform available			No information available		-		
	Adsorpti	on / de	esorption								
A/D coefficient  Transport Henry's constant		lo	g Kow	Evapo	ration rate	М	lethod	N	lote		
Soil-wa	ter No avai	lable	information	No in availa	formation ble	No info	ormation le	No infa	ormatio ole	n -	
Water-a	air No avai	lable	information	No in availa	formation ble	No info	ormation le	No info	ormation ole	n -	
Soil-air	No	lable	information	No in availa	formation	No info	ormation	No inf	ormatio	n _	



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version: 9		

12.5.	Results of PBT and vPvB assessment
12.5.	No information available
	The information dvalidate
12.6.	Endocrine disrupting properties
	No known endocrine disrupting properties that affect the environment.
12.7.	Other adverse effects
12.7.	No adverse effects are expected.
	no auverse effects are expected.
SECTIO	N 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.	Western de de designations according to Laure
13.1.2.	Waste codes/waste designations according to Law:  No information available
	NO IIIIOITTIALIOIT AVAIIADIE
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	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. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-
CECT: C	
SECTIO	N 14. Transport information



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
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:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transpor	t (ADN)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
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:	-
Environmentally hazardous:	-
Special precautions for user:	-
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:	-
Environmentally hazardous:	-
Special precautions for user:	-



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

Further information:	The product is not subject to classification.
ruftilei illioittiation.	The product is not subject to classification.

15.1.	Safety, health and enviro	Safety, health and environmental regulations/legislation specific for the substance or mixture		
	EU regulations			
	Authorization and/or res	trictions of use		
	Authorizations:	-		
	Restrictions:	-		
		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 (EC) 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;		
	Other EU regulations:	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 19 guideline)	999/13/EC about limitation of emissions of volatile organic compounds (VOC-		
	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:	-		



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Trading name:		HEMAT	HEMATOXYLIN ML		
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9

16.2.	Abbreviations and acronym	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals  EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative	
16.3.	Key literature references and source of data:	d -	
16.4.	Classification and procedure 1272/2008 (CLP)	e used to derive the classification for mixture according to Regulation (EC)	
Classific	cation	Classification procedure	
-		-	
16.5.	Relevant H statements (num	nber and full text)	
	H: 318	Causes serious eye damage.	
	319	Causes serious eye irritation.	
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
-



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Trading name:		PERIODIC ACID, 0.8 % SOLUTION		
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

SECTI	ON 1 IDENTIFICATION (	OF THE SUB	STANCE/MI	IXTURE AND OF THE COMPANY/UNDERTAKING	
1.1.	Product identifier				
	Trading name:	PERIODIC	ACID, 0.8 %	SOLUTION	
	Chemical name:	-			
	Catalogue number:	PK08-OT-X**			
1.2.	Relevant identified use	es of the sub	stance or mi	xture and uses advised against	
	Uses:		For use w	ith special staining kits.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical 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:	ŀ	BioGnost Ltd.		
	Address:	ı	Medjugorska 59, Zagreb		
	Telephone number:	lephone number: +3		-385 1 2409997	
	Fax no.:	-	+385 1 2404039		
	e-mail of competent p	erson: <u>ı</u>	msds@biognost.hr		
	National contact:	-	-		
1.4.	Emergency telephone	Emergency telephone number			
	National Protection an	ıd Rescue Di	rectorate:	112	
	Medical information: Other information:			+385 1 2348 342	
				-	

SECTIO	SECTION 2 HAZARDS INFORMATION				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification (REGULATION (EC) No. 1272/2008 (CLP)				
	Hazard class and category	Hazard class and category code: Hazard statements*:			
	Not identified as hazardous substance		-		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-sta	tements: see Se	ection 16		
2.2.	Classification according to EC Dire	ective Nr. 1272/	2008 CLP)		
	Product identification:	PERIODIC ACI	D, 0.8 % SOLUTION		
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	-			



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Trading name:		PERIODIC ACID, 0.8	<del>-</del>	
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

	Signal word:	-
	Hazard statements:	-
	Precautionary statements:	-
	Further information:	-
2.3.	Other hazards	
	Endocrine Disrupting Properties	s:
	No known endocrine disrupting properties <b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is no PBT or a vPvB.	

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)		
-	_	-	-	-		

SECTIO	SECTION 4 FIRST AID MEASURES			
4.1.	Description of first aid measu	ires		
	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:	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 aid	der: Treat symptomatically.		
4.2.	Most important symptoms a	nd effects, both acute and delayed		
	Following inhalation:	Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea.		
	Following skin contact:	Slight irritation. After short exposure, resorption effects are not likely. Lonterm exposure may cause drying, cracking and tingling sensation of skin.		



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Trading name:	PERIODIC ACID, 0.8 % SOLUTION				
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Following eye contact:	Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation.
	Following ingestion:	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.
4.3.	Indication of any immediat	e medical attention and special treatment needed
	-	

SECTIO	ECTION 5 FIREFIGHTING MEASURES					
5.1.	Extinguishing media					
	Suitable extinguishing media:  Small fire - water spray, dry powder, CO <sub>2</sub> 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	ECTION 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. 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 Secti	on 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 containmer	nt and cleaning up			



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Trading name:	PERIODIC ACID, 0.8 % SOLUTION				
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.
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 sections	
	-	

SECTIO	ON 7 HANDLING AN STORAGE				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep aw not smo	vay from sources of heat and ignition. Do ke.		
	Measures to prevent aerosol and dust generati	n: Secure p	proper ventilation.		
	Measures to protect the environment:	Prevent waterwa	spilling into the sewage system and sys.		
	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 w ventilated storage rooms, and away from sources of he sunlight, and other incompatible substances.			
	Packaging materials:	Manufacturer's original packaging.  Keep away from food and drink. Keep the containers tightly closed.			
	Requirements for storage rooms and vessels:				
	Advices for storage equipment:	The storage must be made of hard be resistant to chemicals. There makes directly leads into sewage system. ventilation.			
	Further information on storage conditions:	and do not u	the unused material in the storage room se empty containers for storing other o not store with incompatible materials (see		
7.3.	Specific end use(s)				



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Trading name:	PERIODIC ACID, 0.8 % SOLUTION				
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Recommendations:	-
Industrial sector specific solutions:	-

SECTION 8 FX	SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION										
		meters	TROES/TER	JOHAL	ı koı	LCTION					
Substance				upational exposure limit lues/short term values			Bio	ological limit values			
	54.251411.55					ppm	mg/m³			3	
-			-			-		-	No information available		
Substance name:	<b>—</b>										
EC No:	_		CAS No:	_							
DNEL											
					Inc	lustrial					
Route of		A	Acute		Acut	e		Chron	ic	Chronic	
exposure:		effe	ect local	effe	ct sys	temic		effect lo	ocal	effect systemic	
Oral		-		-			-		-		
Inhalation		-		-			-		-		
Dermal		-		-			-			-	
Critical physic	al parar	neters: s	solubility, fla	mmabilit	ty, cor	rosivity:		-			
		ı			Coi	nsumer	1			1	
Route of			Acute		Acut			Chronic			
exposure:		ette	ect local	effect sys		temic	c effect lo		ocal	effect systemic	
Oral		-		-			-		-		
Inhalation		-		-		-		-			
Dermal		-		-			-			-	
PNEC	l	.4:				DNIEC					
Environmenta	protec	tion tar	get			PNEC					
Fresh water					No information available						
Freshwater sediments				No information available							
Marine water				No information available							
Marine sediments Food chain					No information available  No information available						
Microorganisms in sewage treatment					No information available						
		waye II	catinent								
Soil (agricultural)				No information available							



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Trading name:		PERIODIC ACID, 0.8	% SOLUTION		
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Air			No information available			
8.2.	Exposure controls					
8.2.1.	Engineering measures					
	Substance/mixture relate measures to prevent expeduring 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 prexposure:	event	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 pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			
8.2.2.	Personal protection equipment					
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					
			Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374.  Glove material: nitrile rubber			
			Glove thickness: ≥0.50 mm Break through time: >480 min			
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long es (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 or organic vapors, type "A" (boiling point >65°C) acording to EN ) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	ormation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relate measures to prevent expe		See Section 6			
	Structural measures to pr exposure:	event	Use modern equipment.			
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to pr exposure:	event	See Section 6			

# **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**



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Trading name:	PERIODIC ACID, 0.8 % SOLUTION						
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

	Value	Method
Physical state:	liquid	No information available
Colour:	colourless	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
Lover 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
pH:	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:	With strong oxidants, sodium-hydroxide, sulfuric acid, aluminum.					
10.4.	Conditions to avoid:	Sources of heat, sparks, and ignition.					
10.5.	Incompatible materials:	Aluminum.					
10.6.	Hazardous decomposition products:	No information available.					

#### **SECTION 11 TOXICOLOGICAL INFORMATION**



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Trading name:		PERIODIC ACID, 0.8 % SOLUTION					
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			

		1	:			:	
11.1. Informatio	n on hazard classes as	defined in Reg	ulation (EC) No 12	72/2008			
Route of exposure: Method		Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure	time	Results	
Oral exposure:	No information available	_	LD <sub>50</sub>	-		-	
Dermal exposure:	No information available	-	LD <sub>50</sub>	-		-	
Inhalation exposure:	No information available	-	LC <sub>50</sub>	_		-	
Specific ta	rget organ toxicity – si	ngle exposure (	STOT SE):				
	Specifi	c effects	Targe	t organ		Note	
Oral exposure:	No information a	available	No informati	on available	-		
Dermal exposure:	No information a	available	No informati	on available	n available -		
Inhalation exposure	e: No information a	available	No informati	on available	-		
	y irritation: nd corrosion	No info	rmation available				
11110000110	Exposure time	Species	Evaluation	Method		Note	
Skin irritation:	-	rabbit	-				
Eye irritation:	-	rabbit	-				
Sensitizatio	on						
Dermal exposure:	No information avail	able					
Inhalation exposure:	No information available	able					
Symptoms	related to the physica	l, chemical and	toxicological chara	acteristics			
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:			ure, resorption effe ingling sensation o		ely. Lon	g-term exposure	



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Trading name:	PERIODIC ACID, 0.8 % SOLUTION						
Product code:	PK08-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

Inhalation exposi	ure:		large amount eezing, heada	•		adequately vent	ilated perimet	er may cause
Eye exposure:		Direct eye co sensation.	ontact may cau	se slight to	mod	erate irritation,	lacrimation an	d burning
Repeate	ed dose	e toxicity (sub	acute, subchro	onic, chroni	ic)			
-		Dose	Exposure time	Species		Method	Evaluation	Note
Subacute oral	No availa	information able	No information available	No informati available		No information available	No information available	-
Subacute dermal	No availa	information able	No information available	No informati available	on	No information available	No information available	-
Subacute inhalation	No availa	information able	No information available	No informati available	on	No information available	No information available	-
Subchronic oral	No availa	information able	No information available	No informati available	on	No information available	No information available	-
Subchronic dermal	No availa	information able	No information available	No informati available	on	No information available	No information available	-
Subchronic inhalation	No availa	information able	No information available	No informati available	on	No information available	No information available	-
Chronic oral	No availa	information able	No information available	No informati available	on	No information available	No information available	-
Chronic dermal	No availa	information able	No information available	No informati available	on	No information available	No information available	-
Chronic inhalation	No availa	information able	No information available	No informati available		No information available	No information available	-
				· · · · · · · · · · · · · · · · · · ·	TOT 5			
Specific	target	1	y – repeated e pecific effects	exposure (S	101 F		an .	Note
Subacute oral			ation available		Target organ  No information available			
Subacute dermal			ation available			nformation avai		
Subacute inhalat			ntion available			nformation avai		



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				***************************************					
Subchro	onic oral	No information	n available		No informatio	n availabl	e	_	
Subchro	onic dermal	No information	n available	available No information available		e	_		
Subchro	onic inhalation	No information	n available		No informatio	n availabl	e	-	
Chronic	oral	No information	n available		No informatio	n availabl	e	-	
Chronic	dermal	No information	n available		No informatio	n availabl	e	-	
Chronic	Chronic inhalation No informatio				No informatio	n availabl	e	-	
	CMR effects (c	carcinogenicity, m	utagenicity, r	reproduct	ive toxicity)				
	Carcinogenicit					not indica	ate carcin	ogenic effects.	
	Mutagenicity i				s did not ind				
	Genotoxicity:	No informa				- 9			
	Mutagenicity i	Current <i>in vivo</i> tests did not indicate mutagenic effects.							
	Germ cell mutagenicity:			No information available					
	Reproductive t	No toxicity organs.	on repr	oductive org	ans was	determine	ed in reproductiv		
11.2		valuation of the (	CMR propertion	es: -					
11.2.1.		upting properties							
	The substant contain command have endocring to Commission E 2017/2100 or	nce/mixture do ponents consid ne disrupting p REACH Article Delegated regula Commission Re 5 at levels of	es not ered to roperties 57(f) or tion (EU) egulation						
11.2.2.	Other informa	tions:							

SECTION 12 ECOLOG	SECTION 12 ECOLOGICAL INFORMATION:											
12.1. Toxicity												
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note						
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	-						



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Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC <sub>50</sub>	8 days	No information available	No information available	-	-
Microorganisms	LC <sub>50</sub>	72 hours	-	-	-	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organisms	_	_	_	_	_	_

### 12.2. Persistence and degradability

Abiotic 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.	Bioaccumulative potential					
	Partition coefficient: n-octanol/water (log Kow):					
Valu	e Concentratio	n pH	°C	Method	Evaluation	Note



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-	N av	o info	ormation	-		No info	ormation le		inform ailable	ation	-	
	Biocon	centration	on factor (	BCF)							1	
V	/alue		Speci	es	1	Method	k	E	valuatio	on		Note
No info	ormation le	No ava	in <sup>.</sup> ilable	formatio	n No info availab		on	No inf availal	formation ble	on	No inforr available	mation
	Chronic	c ecotox	icitv									
	Value		Dos	se E	xposure time	Spo	ecies	Met	hod	Eva	luation	Note
Chronic	c toxicity	on fish	LC <sub>50</sub>	1	ormation ailable	No infori availa	mation able	No inform availal			No information available	
	c toxicity ea ( <i>Daph</i>		EC <sub>50</sub>	1	ormation ailable	No infori availa	mation able	No inform availal		No info	ormation ble	-
12.4.	Mobilit	ty in soil										
	1		icted distr	ibution ir	n environm	nental d	compart	ments:				
			available									
	Surface	e tensior	1:									
	Val	ue	°C		Concentra	ation		Meth	od		N	ote
	No informa availab	ation	No informatio available	าก	lo informa vailable	ition	No infavailat	ormatic ole	on	-		
	Adsorn	otion / de	esorption									
Transpo	-	A/D c	oefficient s constant		log Kow	Ev	/aporati	on rate		Method		Note
Soil-wa	ater N	0 vailable	informat		information		o inform	ation	No ir	nformati	on -	



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	t code.	0 01 X	Date 0.	compliation. 2	T Dec 2022	version. 4
Water-a	ir No available	information	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 ar					
	according to REA	ACH Article 5	•	n Delegated regula	to have endocrine o	disrupting properties 0 or Commission
12.6.	Endocrine disrup	oting properti	es			
	according to REA	ACH Article 5	•	n Delegated regula	to have endocrine o tion (EU) 2017/2100	disrupting properties O or Commission
12.7.	Other adverse ef	ffects				
	No information a	available				
SECTIO	N 13 DISPOSAL (	CONSIDERAT	TIONS			
13.1.	Waste treatme	ent methods				
13.1.1.	Product/Packa	ging disposa	:			
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.					
13.1.2.	Waste codes/v	waste designa	tions according to	Law:		
	No information		<u> </u>			
13.1.3.	Waste treatme	ent – relevant	information:			
	No information	n available				
13.1.4.	Sewage dispos	sal – relevant	information:			
			d of into the sewa	ge system.		
12.15	Oth I'	l	- <b>.</b>			
13.1.5.	Other disposal	recommend	ations:			



Trading name:

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

amended by Regulation (EU) No. 2020/878

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authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit
ignition may occur.	lectors authorized by the ministry in charge. Do not dispose of in places where
13.1.6. Relevant Community pro	ovisions:
-	
SECTION 14 TRANSPORT INFOR	MATION
Transporting/shipment by	road (ADR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
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:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport	(ADN)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
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:	-
Environmentally hazardous:	-
Special precautions for user:	-



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

5.1. Safety, health and enviro	nmental regulations/legislation specific for the substance or mixture
EU regulations	
Authorization and/or res	trictions 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);



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Trading name:	PERIODIC ACID, 0.8 % SOLUTION			
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	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 assessment		
	None		

SECTION 16 Other information		
16.1.	Indication of changes:	-
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative
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 C		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** 

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