

RAPID PAP STAINING KIT

The kit contains:

Histanol 95

Deionized water

Hematoxylin HP, Pap 1A

Bluing reagent

OG-6 reagent, Pap 2A

EA 50 reagent, Pap 3B

Histanol 100

BioClear New

BioMount New Low



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Trading name:	HISTANOL 95				
Product code:	H95-X**	Revision date:	05 Dec 2022	Version:	6

1.1	Product identifier						
	Trading name:	HISTANOL	HISTANOL 95				
	Chemical name:	Ethyl alcoho	Ethyl alcohol				
	Catalogue number:	H95-X**					
1.2	2 Relevant identified uses of the substance or mixture and uses advised against			nixture and uses advised against			
	Uses:		For use	in histocytology and cytology sample processing.			
	Uses advised against:		Only the	e identified uses are advised. Unsuitable for human aption.			
	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 supplie	Details of the supplier of the safety data sheet					
	Supplier:		BioGnost Ltd.				
	Address:		Medjugorska 59, Zagreb				
	Telephone number:		+385 1 2409997				
	Telefax.:		+385 1 2404039				
	e-mail of competent	person:	msds@biognost.hr				
	National contact:		-				
1.4	Emergency telephone number						
	National Protection a	nd Rescue Dire	ectorate:	112			
	Medical information:			+385 1 2348 342			
	Other information:			-			

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance	Classification of the substance or mixture			
2.1.1	Classification according to Reg	gulation (EC) No 12	272/2008 (CLP)		
	Hazard class and cated	gory code:	Hazard statements*:		
	Flam. Liq. 2		H225		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard	l-statements: see S	SECTION 16		
2.2	Label elements				
	Product identification: HISTANOL 95				
	Identification number: -				
	Authorization number:	-			



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	Hazard pictograms:	GHS02		
	Signal word:	Danger		
	Hazard statements:	H225 Highly flammable liquid and vapor.		
	Precautionary statements:	P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P403+P235 Store in a well-ventilated place. Keep cool.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	The product has no other know	n specific hazards for human or environment.		
	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.			
	Endocrine disrupting property:	Based on available data, does not contain endocrine disruptors.		

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)	
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	~ 95%	ethanol	Flam. Liq. 2; H225	

SECTI	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:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.			
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.			



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	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting. Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.	
	Self-protection of the first aider:	-	
4.2	Most important symptoms and eff	fects, both acute and delayed	
	Following inhalation:	Inhalation of larger quantities may affect the central nervous system.	
	Following skin contact:	Prolonged or repeated dermal contact may cause the defatting and dryness of the skin.	
	Following eye contact:	May irritate the eyes.	
	Following ingestion:	Ingestion of larger quantities may affect the central nervous system.	
4.3	Indication of any immediate medical attention and special treatment needed If larger quantities have entered the body, obtain medical treatment (gastric lavage, activated carbon).		

SECTI	ON 5. Firefighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media:	Extinguishing powder, alcohol-resistant foam, water, carbon-dioxide.
	Unsuitable extinguishing media:	Water with full jet.
5.2	Special hazards arising from the su	ubstance or mixture
	Hazardous combustion products:	Highly flammable liquid and vapour. In case of fire, smoke, and other combustion products (carbon monoxide, carbon dioxide) may be formed, the inhalation of such combustion products can have serious adverse effects on health. Vapours may form an explosive mix with air. Vapours may be ignited by open flames, sparks, electrical equipment, or static charge. Vapours may travel to great distances, ignite in contact with ignition sources and flash back to the primer source (container). Vapours of ethyl alcohol mix greatly with air and may form an explosive mixture. Air containing 3.3 – 19 % ethyl alcohol vapours may explode in contact with ignition sources. Diluting the mixture with large amounts of water results in the loss of its flammability (around 10 % concentration of ethyl alcohol).
5.3	Advice for firefighters	
	Wear full protective clothing and self-contained breathing apparatus. Cool the fire affected containers wit water spray. Use water spray to dissipate alcohol vapours.	
5.4	Additional information	
	-	



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SECTIO	ON 6. Accidental release meas	ures		
6.1	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 those members without protective equipment.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	ventilation. Vapours may accu	and clothing and inhaling gases, vapours and aerosols. Ensure adequate mulate at floor level in low and confined spaces. Remove all heat, ignition achines. Ignition spark arrestor must not be operated in the danger area. Use the risk of slipping.		
6.2	Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.			
6.3	Methods and material for con	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	Cleaning up:	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. During the collection, placement, disposal of the waste, wear appropriate individual protective equipment. Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).		
6.3.3.	Other information:	Secure proper ventilation. 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 protection equipment. See Section 13 for disposal information.			

SECTION 7. Handling and storage			
7.1	Precautions for safe handling		
7.1.1.	Protection measures		



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	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generatio	n:	Ensure adequate ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
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:	Store in a well-ventilated place, protected from sunli away from sources of heat and ignition, in its orig unopened and hermetically sealed packaging, a from oxidizing agents, food, feed and articles consumption.			
	Packaging materials:	Manufactu	urer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away tightly clo	y from food and drink. Keep the containers sed.		
	Advices for storage equipment:	be resista	ge must be made of hard material; floors must nt to chemicals. There must be no drain that eads into sewage system. Secure proper n.		
	Further information on storage conditions:	and do n	ace the unused material in the storage room not use empty containers for storing other . Do not store with incompatible materials (see)).		
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

SECTION 8. Exposure controls/personal protection							
8.1 Control parameters	Control parameters						
Substance	CAS No	·	exposure limit t term values	Biological limit values			
		ppm mg/m³					
Ethanol	64-17-5	1000/-	1900/-	-			
		•					
Substance name: -							



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Trading name:	•					Н	ISTA	NOL 95			
Product code:	Н	95-X* [,]	k		Revisi	ion dat	e:	05 Dec 2022		Version:	6
			1								
EC No:	-	-	CAS No):	-						
DNEL											
						dustria	al		-		
Route of		Acı		cc	Acute			Chronic		Chronic	
exposure:		effect	iocai		ct systemi	IC		effect local		ffect systemic	
Oral Inhalation		900 mg		-					- 380 mg/	m³ (ethanol)	
Dermal	-	triarioi	<u> </u>	_					343 ma/	kg (ethanol)	
Critical physical	param	eters: s	solubility,	flamm	ability, co	rrosivit	y:	_	<u>, </u>	<u> </u>	
. ,	•		<u>, , , , , , , , , , , , , , , , , , , </u>			onsum					
Route of exposure:			cute ct local	effe	Acute ct system	ic	(Chronic effect local	e	Chronic ffect systemic	
Oral		-		-		-				g bw/day (etl	
Inhalation		950 m (ethan	_	-		-			114 mg/	m³ (ethanol)	
Dermal		-		-		-			206 mg/	kg (ethanol)	
PNEC											
Environmental p	orotect	ion tar	get			PNEC	:				
Fresh water						0.96 ı	ng/l ((ethanol)			
Freshwater sedi	ments					3.6 m	g/kg	(ethanol)			
Marine water						0.79 ı	ng/l ((ethanol)			
Marine sedimen	nts					2.9 mg/kg (ethanol)					
Food chain						380-720 mg/kg (ethanol)					
Microorganisms	s in sew	age tr	eatment			580 mg/l (ethanol)					
Soil (agricultura	l)					0.63 mg/kg (ethanol)					
Air						no information available					
8.2 Exp	osure	contro	ls								
8.2.1. Ap	propria	ite eng	ineering	contro	ls						
		-	ire relate e during			conce conce existi	entrat entrat ng so	f a hazardous mion limit it is the ion levels down to ientific and technoustance poses m	e employe o a minim ological i	er's duty to num achievab means, where	keep le by

In accordance with Section 7.

Structural measures to prevent

exposure:



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	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prevent ex	(posure:	In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation.			
	, , , , , , , , , , , , , , , , , , ,		Use non-sparkling ventilation system.			
			Provide appropriate personal protective equipment, safety shower and eye-wash station.			
8.2.2.	Personal protection equipment					
8.2.2.1.	Eye and face protection:	Use appropriate, chemical-proof protective glasses/face shield (EN ISO 16321-1:2022, EN 166).				
8.2.2.2.	Skin protection					
	Hand protection:	Use appropriate, chemical-resistant protective gloves (EN 374).				
	Other skin protection:	Use appropriate protective clothing.				
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If ntration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short t and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).			
8.2.2.4.	Thermal hazards:	No the	ermal hazards known.			
8.2.3.	Environmental exposure controls					
	Substance/mixture related measures to prevent exposure:	See Se	ction 6			
	Structural measures to prevent exposure:	Use mo	odern equipment.			
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.			
	Technical measures to prevent exposure:	See Se	ection 6			

SECT	SECTION 9. Physical and chemical properties					
9.1	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	No information available			
	Colour:	colourless	No information available			
	Odour/odour threshold:	ethanol like/no information available	No information available			
	Melting point / freezing point:	No information available	No information available			



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	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:	lower: 3.3 Vol % upper: 19 Vol %	No information available
	Flash point:	13 °C	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:	in water completely miscible	No information available
	Partition coefficient noctanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	~ 0.805 (20°C)	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	Explosive properties: the vapours f	rom ethyl alcohol form an expl	osive mixture with air

SECTIO	SECTION 10. Stability and reactivity				
10.1	Reactivity:	See Section 10.5.			
10.2	Chemical stability:	Stable within normal temperature and general work conditions.			
10.3	Possibility of hazardous reactions:	See Section 10.5.			
10.4	Conditions to avoid:	Keep away from heat, sparks, open flames, strong heating and ignition sources. No smoking.			
10.5	Incompatible materials:	Strong oxidizing agents (inorganic strong acid, nitric acid, perchlorates, peroxy compounds, perchloric acid, permanganates etc.), alkali metals, alkali earth metals.			
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide.			

SECTION 11. Toxicological information							
P	Acute toxicity:		,				
Route of exposure:		Species	Dose LD_{50}/LC_{50} or ATE_{mix}	Exposure time	Results		



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Oral:		rat (ethanol	ol) LD ₅₀				7.060 mg/k		/ka	
		-					7.060 mg/kg >20.000 mg/			
Dermal: Inhalation:	_	rabbit (ethanol		LD ₅₀		- 				
innalation:		rat (ethanol)	LC ₅₀		4 h	>	8.000 m	9/1	
Specific t	arget organ to	xicity – single ex	posure (STO)	Γ SE):						
	S	pecific effects		Т	arget organ		Note			
Oral:	No informa	tion available	No	ble -						
Dermal:	No informa	tion available	No	o inform	nation availa	ble -				
Inhalation:	No informa	tion available	No	o inform	nation availa	ble -	•			
A : ti	u la susuale		No informati		lalala					
Aspiration	n nazaro:		No informati	ion avai	labie.					
Irritation	and corrosion									
	Ехро	osure time	Species	cies Evaluation Method		Method	١	Vote		
Skin corrosion/irritation	Skin		-			-	-			
Serious eye damage/irritation	-		-			-	-			
Sensitizat	tion									
Skin sensitization:		information av	ailahle							
Respiratory sensiti		information av								
respiratory sensiti	ization. Tve	, intormation av	unabic.							
Symptom	ns related to th	e physical, chem	ical and toxic	cologica	l characteris	stics				
Oral exposure:	unconsci	on of great ousness and alco may occur. Rep	ohol poisonin	ıg. İn cas	se of swallov	ving great q	uantities, r	nausea a		
Dermal exposure:	After pro	olonged or repe of skin.	eated exposi	ure sym	iptoms may	/ include: d	efatting, o	dryness	an	
Inhalation exposu	re: Inhalatio membrai	n of great quanti nes.	ties may caus	se dizzin	ess, euphor	ia and mild i	rritation of	the mu	cou	
Eye exposure:	May caus	se irritation and	redness.							
Panastad	I doso tovicity	(subacuta subsh	ronic chroni	c)						
Kepeated	i dose toxicity	(subacute, subch	ironic, chroni	C)		**				
	Dose	Exposure time	Species	ſ	Method	Evaluation	on	Note		



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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		-
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	-

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



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	CMR effects (carcinogenicity; mutagenicity;	reproductive toxicity)						
	Carcinogenicity: B	ased on available data, the classification criteria are not met.						
	Mutagenicity in vitro:	ased on available data, the classification criteria are not met.						
	Genotoxicity: B	ased on available data, the classification criteria are not met.						
	Mutagenicity <i>in vivo</i> :	ased on available data, the classification criteria are not met.						
	Germ cell mutagenicity:	Based on available data, the classification criteria are not met.						
	Reproductive toxicity:	Based on available data, the classification criteria are not met.						
	Summary of evaluation of the CMR properties:	Based on available data, the classification criteria are not met.						
11.2	Information on other hazards:							
11.2.1.	Endocrine disrupting properties:							
	Based on available data, does not contain endocrine disruptors.							
11.2.2.	Other informations:							
	-							

SECTION 12. Ecologic	cal informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-
Crustacea:	EC ₅₀	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-
Algae/aquatic plants	IC ₅₀	4 days	algae	No information available	5.000 mg/l / 7d (ethanol)	-
Other organisms	-	_	-	_	-	_
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-



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Crusta	ıcea:	EC ₅₀	48 hours	No information available	No information available	No informat	ion _				
Algae/	aquatic plants	IC ₅₀	72 hours	No information available	No information available	No informat available	ion -				
Other	organisms	-	_	-	_	-	-				
12.2	Persistence a	and degrad	lability								
	Abiotic degr		,								

Abioti	c degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	resh water 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	-

Biodegrada	tion			
% Degradation	% Degradation Time (days)		Evaluation	Note
No information available	No information available	No information available	No information available	

12.3 Bioad	cumulative potenti	al				
Octai	nol-water partition	coefficien	t (log Ko	w)		
Value	Concentration	рН	°C	Method	Evaluation	Note
Log Pow: ~ 0.32	-	-	-	-	-	The product does not bioaccumulate
Bioco	oncentration factor	(BCF)				
Value	Spec	ies		Method	Evaluation	Note



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·····	t code:	H95	5-X**		Revis	sion da	ate:	05 D	Dec 2022		,	Version:	6
BCF: 0.6	6	No avai	inform lable	ation	No info			formation		-			
	Cl.												
	Chronic e	cotoxi	Dose		osure me	Spe	ecies	Meth	nod	Evalu	ation	Note	<u> </u>
Chronic	Chronic toxicity on fish LC50		LC ₅₀		No No		nation ble	No informavailab		No informa availab		-	
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	information in		No inforn availa	nation ble	No informa availab		No information available		-		
12.4	No inforn	predi		on in e	environm	ental c	ompart	ments:					
	Surface to												
	No informati available	on	°C No information available	No	informatilable							Note	
	Adsorption	on / de	esorption										
Transpo	ort	-	coefficient y's constant	lc	g Kow	Ev	aporati	on rate	٨	/lethod		Note	
Soil-wat	tor	No availab	information ble	No ir availa	nformation ble		inform ailable	nation	No in availa	formation ble		-	
Water-a	ir i	No availab	information ble	No ir availa	nformation ble		inform ailable	nation	No in availa	formation ble		-	
Soil-air		No availab	information ble	No ir availa	nformation ble		No information available		No information available			-	
12.5			and vPvB asses ble data, the p										



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12.6.	Endocrine disrupting properties					
	Based on available data, does not contain endocrine disruptors.					
-						
12.7.	Other adverse effects					
	Do not let the product or its residues reach sewer system, waterways and soil.					
SECTION	N 13. Disposal considerations					
13.1	Waste treatment methods					
13.1	waste treatment methods					
13.1.1.	Product/Packaging disposal:					
	Submit for disposal to the leg Protection.	al person authorized by the Ministry of Environmental and Nature				
13.1.2.	Waste codes/waste designation	ons according to Law:				
	Packaging that contains residual hazardous substances or is contaminated with hazardous substances					
10.10						
13.1.3.	Waste treatment – relevant in	formation:				
	No information available					
13.1.4.	Sewage disposal – relevant in	formation:				
	Waste must not be disposed	of into the sewage system.				
13.1.5.	Other disposal recommendati					
	authorized by the ministry in	ct's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit ors authorized by the ministry in charge. Unused product residues may be				
13.1.6.	Relevant Community provisio	ns:				
	Disposal must be made accor	ding to official regulations.				
SECTION	N 14 TRANSPORT INFORMATI					
1101	Transporting/shipment by road					
UN num		1170 Ethanol solution				
······································	er shipping name: rt hazard class(es):	Ethanol Solution 3				
Packing						
i acking	group.	11				



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

amended by Regulation (EU) No. 2020/878

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Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (RI	(D)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
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 (ICA	AO-TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	



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Trading name:	HISTANOL 95				
Product code:	H95-X**	Revision date:	05 Dec 2022	Version:	6

15.1	Safety, health and environ	mental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or restr	ictions 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 (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;
	Other EU regulations:	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;
		COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 199 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 assessmen	nt
	None	

SECTION 16. Other information	
16.1 Indication of changes:	-



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Trading name:	HISTANOL 95			<u> </u>	
Product code:	H95-X**	Revision date:	05 Dec 2022	Version:	6

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		
Key literature references and source of data:	Manufacturer's MSDS file.		
Classification and procedure u 1272/2008 (CLP)	sed to derive the classification for mixture according to Regulation (EC)		
cation	Classification procedure		
	-		
Relevant H statements (number	er and full text)		
H: 225	Highly flammable liquid and vapor.		
Training advice:	-		
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.		
	Key literature references and source of data: Classification and procedure und 1272/2008 (CLP) cation Relevant H statements (number 1272) Training advice: Further information:		

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



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Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7

1.1.	Product identifier				
	Trading name:	HEMATOXYLIN HP, PAP 1A			
	Chemical name:	_			
	Catalogue number:	HEMHP-OT-X**			
1.2.	Relevant identified uses	of the subst	of the substance or mixture and uses advised against		
	Uses:		Modified Papanicol	hematoxylin acc. to Harris for nuclear staining acc. to aou.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advise	ed against:	uct is intended for use only as an <i>in vitro</i> diagnostic evice, registered at the Agency for Medicinal Products and evices and there is no reason to use it for other purposes		
1.3.	Details of the supplier of the safety data sheet				
	Supplier:	Bio	BioGnost Ltd.		
	Address:	M	Medjugorska 59, Zagreb		
	Telephone number: +		+385 1 2409997		
	Fax no.:	+3	+385 1 2404039		
	e-mail of competent pe	erson: <u>m</u> s	msds@biognost.hr		
	National contact: -				
1.4.	Emergency telephone n	number			
	National Protection and	l Rescue Dire	ctorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			_	

SECTIO	ECTION 2 HAZARDS INFORMATION					
2.1.	Classification of the substance	Classification of the substance or mixture				
2.1.1.	Classification (REGULATION (E	EC) No. 1272/2008	(CLP)			
	Hazard class and cate	gory code:		Hazard statements*:		
	Eye Dam. 1		H318			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard	l-statements: see S	ection 16			
2.2.	Label elements					
	Product identification: HEMATOXYLIN HP, PAP 1A					
	Identification number: -					
	Authorization no.: -					



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Trading name:	HEMATOXYLIN HP, PAP 1A						
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7		

	Hazard pictograms:	GHS05
	Signal word:	Danger
	Hazard statements:	H318 Causes serious eye damage.
	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. P310 Immediately call POISON CENTER or a doctor/physician if exposed.
	Supplemetal hazard information (EU):	-
2.3.	Other hazards	
	Endocrine Disrupting Prop	erties:
	No known endocrine disrupt	ing properties
	Results of PBT and vPvB as PBT or a vPvB.	sessment : According to the results of its assessment, this substance is not a

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/ -	-	10-13 %	aluminum sulfate octadecahydrate	Eye Dam. 1; H318			
107-21-1/ 203-473-3/ 603-027-00-1	01-2119456816- 28-xxxx	10 -20 %	ethylene glycol	Acute Tox. 4, H302			

SECTIO	SECTION 4 FIRST AID MEASURES				
4.1.	Description of first aid measures				
	General notes:				
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			



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Trading name:	HEMATOXYLIN HP, PAP 1A					
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7	

	Following skin contact: Following eye contact: Following ingestion:		Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.	
			Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.	
			Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.	
	Self-protection of the first aid	der:	Treat symptomatically.	
4.2.	Most important symptoms a	nd effe	ects, 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. Long term exposure may cause drying, cracking and tingling sensation of skin. Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation. If the symptoms persist, immediately call a physician.		
	Following eye contact:			
	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 immediate	medic	al attention and special treatment needed	
	-			

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



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Trading name:	HEMATOXYLIN HP, PAP 1A						
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7		

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 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.		
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	SECTION 7 HANDLING AN STORAGE					
7.1.	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.				
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.				
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.				
	Other measures:	-				
7.1.2.	Advice on general occupational hygiene:					



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Trading name:	HEMATOXYLIN HP, PAP 1A						
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7		

	Do not eat, drink or smoke in the workspace. T	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 inco	mpatibilities					
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.					
	Packaging materials:	Manufacturer's original packaging.					
	Requirements for storage rooms and vessels:	Is: Keep away from food and drink. Keep the containers tightly closed. 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.					
	Advices for storage equipment:						
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).					
7.3.	Specific end use(s)						
	Recommendations:	-					
	Industrial sector specific solutions:	-					

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION								
8.1. Cont	trol parameters							
Substance CAS No			lo	Occupational exposure limit values/short term values		Biological limit values		
				ppm	mg/m³			
				-	1	No infor	mation available	
					·	·		
Substance name:	Aluminium sulphate octadecahydrate							
EC No: 233-135-0 CAS No: 778			34-31-8					
DNEL								
				Industrial				
Route of		Acute		Acute	Chronic		Chronic	
exposure:	eff	ect local	effe	ect systemic	effect lo	ocal	effect systemic	
Oral				-		-		
Inhalation			-		13,4 mg/m ³			
Dermal	-		-		-		3,8 mg/kg bw/day	
Critical physic	cal parameters:	solubility, flar	mmabili	ty, corrosivity:	-			



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Trading name:	HEMATOXYLIN HP, PAP 1A						
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7		

				Consumer				
Route of exposure	:	Acute effect local	· ·	systemic	Chronic effect local	Chronic effect systemic		
Oral		-	-		-	-		
Inhalation		-	-		-	-		
Dermal		-	-		-	-		
PNEC								
Environme	ental protec	ction target		PNEC				
Fresh wate	er			No info	rmation available			
Freshwate	r sediments	S		No info	rmation available			
Marine wa	iter			No info	rmation available			
Marine se	diments			No info	rmation available			
Food chai	n			No info	rmation available			
Microorga	ınisms in se	wage treatment		No info	rmation available			
Soil (agric	ultural)			No information available				
Air				No information available				
8.2.	Exposure	e controls						
8.2.1.	Engineer	Engineering measures						
	measures to prevent exposure			e the product in well ventilated rooms. Use personal protective uipment. Do not eat, drink or smoke in the workspace.				
	Structural measures to prevent exposure:			No information available				
		ational measures to exposure:		Organization of work in order to reduce other worker's influence during work process.				
	Technica exposure	al measures to preve e:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal	protection equipm	nent					
8.2.2.1.	Eye and	face protection:	Safe viso	, ,	at stick to face (preventi	ng splashing) (EN 166) or		
8.2.2.2.	Skin pro	tection						
	Hand pro		Glo ^o Glo	ve material: r ve thickness:		EN 374.		
	Other sk	IN NICTECTION.		_	made of natural fibers (s	uch as cotton) with long ire foot (EN 10335).		



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Trading name:	HEMATOXYLIN HP, PAP 1A					
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7	

8.2.2.3.	Respiratory protection:	filter fo	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	ormation available			
8.2.3.	Environmental exposure controls					
	Substance/mixture related measures to prevent exposure:		See Section 6			
	Structural measures to prevent exposure:		Use modern equipment.			
	Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace.			
	Technical measures to prevent exposure:		See Section 6			

Information on basic physical and che	mical properties	
	Value	Method
Physical state:	liquid	No information available
Color:	red-purple	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:	2.3 - 2.5	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



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Trading name:	HEMATOXYLIN HP, PAP 1A					
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9.2.	Other information
	-

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 TOXIC	COLOGICAL INFORM	IATION				
11.1. Informatio	n on hazard classes a	s defined in Reg	julation (EC) No 1272	2/2008		
Acute toxic	city:					
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results	
Oral exposure:	anhydrous (ECHA)	rabbit	LD ₅₀	-	>2.000-<5.000 mg/kg (aluminium sulphate octadecahydrate)	
Dermal exposure:	anhydrous (ECHA)	rat	LD ₅₀	-	>5.000mg/kg (aluminium sulphate octadecahydrate)	
Inhalation exposure:	No information available	-	LC ₅₀	-	-	
Specific ta	rget organ toxicity – s	single exposure	(STOT SE):			
	Speci	fic effects	Target	organ	Note	
Oral exposure:	No information	available	No information available		-	
Dermal exposure:	No information	available	No informatio	n available	-	
Inhalation exposure	e: No information	available	ole No information available		-	
Respiratory irritation: No information available						
Irritation a	nd corrosion					
	Exposure time	Species	Evaluation	Method	Note	



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Trading name:		HEMATOXYLIN HP, PAP 1A							
Product code:	HEMHP-O	Γ-X** Rε	evision date:	14 Nov 2022	2 Version:	7			
Skin irritation:	-	_	-	_					
Eye irritation:	-	-	-	-	Causes seriou	ıs eye			
					damage				
Sensitiza	ation								
Dermal exposure	: No informa	tion available							
Inhalation exposure:	No informa	tion available							
		e physical, chemic	al and toxicolog	gical characteristi	cs				
Oral exposure:		nation available							
Dermal exposure		mation available							
Inhalation expos		mation available							
Eye exposure:	Causes se	erious eye damag	<u>e</u>						
Repeate	ed dose toxicity	subacute, subchro	onic, chronic)						
1	Dose	Exposure time	Species	Method	Evaluation	Note			
Subacute oral	No informati available	on No information available	No information available	No information available	No information available	-			
Subacute dermal	No informati available	on No information available	No information available	No information available	No information available	-			
Subacute inhalation	No informati available	on No information available	No information available	No information available	No information available	-			
Subchronic oral	Subchronic oral No information available		No information available	No information available	No information available	-			
Subchronic No information dermal available		on No information available	No information available	No information available	No information available	_			
Subchronic inhalation	No informati available	on No information available	No information available	No information available	No information available	-			
Chronic oral	No informati available	on No information available	No information available	No information available	No information available	-			



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Trading name	9 :				HEMATO	XYL	IN HP, PAP 1	4			
Product code	: H	EMHP-OT-X	* *	Re	vision date	e:	14 Nov 2022		Version:	7	
Chronic derma		information lable	No informatio available	nformation information		on	No information available		formation ble	-	
Chronic inhalation		information lable	No informatio available	formation information		on	No information available	No int	formation ble	-	
Speci	ic targe	et organ toxicit	v – repeate	d e	xposure (S1	OT F	RE):				
- 			pecific effec		<u></u>		Target orga	n		Note	
Subacute oral			ition availab			No i	nformation avail		-		
Subacute dern	nal	No informa	ation availab	ole		No i	nformation avail	able	-		
Subacute inha	ation	No informa	ation availab	ole		No i	nformation avail	able	-		
Subchronic ora	nl	No informa	ation availab	ole		No i	nformation avail	-			
Subchronic de	rmal	No informa	ation availab	n available No		No i	o information available		-	-	
Subchronic inh	alation	No informa	ation availab	n available No		No i	o information available		-	-	
Chronic oral		No informa	ation availab	ole		No i	nformation avail	able	-		
Chronic derma	l	No informa	ation availab	n available No		No i	nformation avail	able	-		
Chronic inhala	tion	No informa	ation availab	n available No		No i	nformation avail	able	-		
CMR	effects (carcinogenicit	y, mutageni	icity	y, reproduc	tive t	oxicity)				
Carcir	ogenici	ity:	Curren	nt s	tudies on te	est ar	nimals did not in	dicate c	arcinogeni	effects.	
Muta	genicity	in-vitro:	Curren	Current in vitro tests did not indicate mutagenic effects.							
Geno	toxicity:		No inf	formation available							
		in-vivo:	Curren	Current <i>in vivo</i> tests did not indicate mutagenic effects.							
Germ	cell mu	tagenicity:			nation avail						
Repro	ductive	toxicity:		No toxicity on reproductive organs was determined in reproductive organs.							
Sumn	nary of e	evaluation of t	he CMR pro	pe	rties: -						
11.2. Inform	nation c	on other hazar	ds:								
11.2.1. Endo	rine dis	rupting prope	rties:								
No prope	known erties tha	endocrine at affect huma	disrupting n health.	g							
11.2.2. Other	informa	ations:									
-											



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Trading name:		HEMATOXYL	IN HP, PAP 1A		
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7

SECTION 12 E	COLOG	ICAL INFOR	RMATION	:				
12.1. Toxic	ity							
Acute (short-t toxicity	erm)	Dose	Exposu time	re Species	М	ethod	Evaluation	Note
Fish		LC ₅₀	96 hours	s Fish	No h information available		>85.9 mg/l (aluminium sulphate octadecahydrate)	-
Crustacea:		EC ₅₀	48 hours	s water flea		No rmation ailable	>200 mg/l (aluminium sulphate octadecahydrate)	-
Algae/aquatic plants		IC ₅₀	8 days	algae	_	No rmation ailable	-	-
Microorganisn	ns	LC ₅₀	72 hour	s -	-		-	-
Chronic toxicity		Dose	Exposu time	re Species	М	ethod	Evaluation	Note
Fish		LC ₅₀	96 hours	No information available		rmation lable	No information available	-
Crustacea:		EC ₅₀	48 hours	No information available		rmation lable	No information available	-
Algae/aquatic	plants	IC ₅₀	72 hours	No information available	intori		No information available	-
Other organis	ms	_	-	-	-		-	_
		nd degradal	oility					
Abiot	tic degra							
., .		radation hal		Method			Evaluation	Note
Marine water	-	ormation av		No information avail			rmation available	-
Fresh water No information available			No information avail			rmation available	-	
Air		ormation av		No information available				-
Soil	No inf	ormation av	aılable	No information avail	lable	No info	rmation available	-
Biode	egradati	on						
% Degradation		Time (day:	5)	Method		Evaluat	tion 1	Note



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Trading	ading name:			HEMATOXYLIN HP, PAP 1A									
Produc	t cod	e:	HEN	инр-от-	·X**	I	Revision d	ate:	14	4 Nov 2022	2	Version:	7
												,	;
	No information No infor available available			mation	on No information available				No information available		No information available		
12.3.	Bioad	ccumi	ulative	potentia									
				ent: n-oc		ater (lo	g Kow):						
Valu			ncentr		рН	°C		ethod		Evalua	ntion		Note
-		No availa		mation	-	-	No info	ormatior le	1	No inform available	ation	-	
	7												
		oncen	tratio	n factor (l	BCF)								
	'alue			Specie		Method			Evaluation			Note	
No info availabl		n	No avail		formatio		informatio ailable	on	No information available		on	No information available	
avaiiabi			avaii	abie		available			avanasic			0.00.0	
	Chro	nic ed	otoxio	citv									
	Valu			Dos	e	Exposure time		Species		Method		lluation	Note
Chronic	tovici	ty on	fish	LC ₅₀	N in	o formati	No on infor			o formation	No information		_
C O	COAICI	., 011				/ailable	availa		1	ailable	availab	ole	
Chronic crustace		•	·)	EC ₅₀		o format ⁄ailable	No on infor availa	mation able		o formation railable	No information available		-
12.4.	Mob	ility ir	soil										
	Knov	vn or	predic	ted distri	bution	in envir	onmental	compart	mer	nts:			
	No ir	nform	ation	available									
	Surfa	ice te	nsion:										
	V	'alue		°C		Conce	entration		M	1ethod		No	ote
	No No information No information No information		No inf availat		nation	-							



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Trading	name:	HEMATOXYLIN HP, PAP 1A								
Product	code:	HEMHP-OT-X**	Revisio	14 No	14 Nov 2022 V			7		
	Adsorption	/ desorption								
Transpor	t i '	/D coefficient nry's constant	log Kow	Evaporat	ion rate	Method	d		Note	
Soil-wate	r No availa	information ble	No information available	No inforr available	nation	No informa available	tion	-		
Water-air	No availa	information ble	No information available	No inforr available	nation	No informa available	tion	-		
Soil-air	No availa	information ble	No information available	No inforr available	nation	No informa available	tion	_		
12.7.	No known Other adve	disrupting propert endocrine disrupti rse effects e effects are expect	ng properties tha	t affect the	environn	nent.				
SECTION	I 13 DISPO	SAL CONSIDERA	TIONS							
13.1.		eatment methods								
	8									
13.1.1.	Product/l	Packaging disposa	l:							
	Submit for Protection	or disposal to the l n.	egal person autho	orized by th	e Ministr	y of Environn	nental a	and Nati	ure	
13.1.2.	Wasto co	des/waste designa	ations according to	n Lawr						
13.1.4.		nation available	according to	J Lavv.						
	1									
13.1.3.	Waste tre	eatment – relevant	information:							
	No inforr	nation available								
13.1.4.	Sewage o	lisposal – relevant	information:		Sewage disposal – relevant information:					



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Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7

	Waste must not be disposed of into the sewage system.						
13.1.5.	Other disposal recommend	lations:					
	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 provis	sions:					
	-	_					
	1						
SECTION	N 14 TRANSPORT INFORMA	TION					
	Transporting/shipment by ro	ad (ADR)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transport hazard class(es):		-					
Packing group:		-					
Environmentally hazardous:		-					
Special p	precautions for user:	-					
	Transporting/shipment by rai	il (RID)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environn	nentally hazardous:	-					
Special p	precautions for user:	-					
	Inland waterway transport (A	DN)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environn	nentally hazardous:	-					
Special p	precautions for user:	-					
	Transporting/shipment by se	a (IMDG)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transport hazard class(es):		-					



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Trading name:	HEMATOXYLIN HP, PAP 1A					
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7	

Packing group:		
Environmentally hazardou	s: -	
Special precautions for us	er: -	
Transporting/ship	oment by air (ICAC	D-TI/IATA-DGR)
UN number:		Not subject to transport regulations.
UN proper shipping name	: -	
Transport hazard class(es)	-	
Packing group:	-	
Environmentally hazardou	s: -	
Special precautions for user:		
Further information: The product		ot subject to classification.

5.1. Safety, health and enviro	Safety, health and environmental regulations/legislation specific for the substance or mixture			
EU regulations				
Authorization and/or re	strictions 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 XVIII);			



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Trading name:	HEMATOXYLIN HP, PAP 1A				
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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	

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:	-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classification		Classification procedure			
-		-			
16.5.	Relevant H statements (numb	er and full text)			
	H: 302	Harmful if swallowed.			
	318	Causes serious eye damage.			
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	



SAFETY DATA SHEET

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

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Trading name:		HEMATOXYL			
Product code:	HEMHP-OT-X**	Revision date:	14 Nov 2022	Version:	7



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

SECTI	ON 1: Identification of	the substance	e/mixture :	and of the company/undertaking	
1.1.	ON 1: Identification of the substance/mixture and of the company/undertaking Product identifier				
	Trading name:	BLUING REAGENT			
	Chemical name:	-			
	Catalogue number:	BR-OT-X**			
1.2.	Relevant identified uses of the substance or mixture and uses advised against				
	Uses:		For conversion of red hematoxylin stained nuclei to blue.		
	Uses advised against:		Only the identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, 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 supplie	Details of the supplier of the safety data sheet			
	Supplier: Bio		ioGnost Ltd.		
	Address: M		Лedjugorska 59, Zagreb		
	Telephone number: +-		385 1 2409997		
	Fax no.: +3		385 1 2404039		
	e-mail of competent person: <u>m</u>		msds@biognost.hr		
	National contact: -				
1.4.	Emergency telephone number				
	National Protection and Rescue Dire		ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and catego	y code: Hazard statements*:			
	Not identified as hazardous sub	stance			
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:	-			



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Trading name:		BLUING REAGENT				
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1						
Signal wo	Signal word:					
Hazard st	atements:	-				
Precautio	nary statements:	-				
Supplemetal hazard information						

2.3.	Other hazards	
	Endocrine Disrupting Properties:	
	No known endocrine disrupting propert	٠ie

(EU):

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		TION 4. First aid measures					
4.1.	Description of first aid measu							
	General notes:	-						
	Following inhalation:	Carry the afflicted person out of the contar ventilated area or out for fresh air. If breath stops, immediately apply artificial respiration mouth) and contact a physician.	ning becomes erratic or it					
	Following skin contact:	Remove contaminated clothing. Immediate water and soap. Seek medical assistance if 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. 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.						
	Following ingestion:							
	Self-protection of the first aid	Treat symptomatically.						
4.2.	Most important symptoms ar	ects, both acute and delayed						
	Following inhalation:	nformation available						
	Following skin contact:	No information available						
	Following eye contact:	nformation available						
	Following ingestion:	nformation available						
4.3.	Indication of any immediate	al attention and special treatment needed						



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: -	

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

SECTIO	SECTION 6. Accidental release measures					
6.1.	Personal precautions, protective equipment and emergency procedures					
6.1.1.	For non-emergency personne					
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods: Evacuate members of all non-essential personnel and members without protective equipment. Remove all sour sparks and ignition. Do not smoke.					
	Emergency procedures:	Mark the area using proper signs.				
6.1.2.	For emergency responders:					
	Wear protective equipment (s	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:	ing of drains;				



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Trading name:	BLUING REAGENT					
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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:		eep away from sources of heat and ignition. Do ot smoke.			
	Measures to prevent aerosol and dust generati	on: Se	ecure proper ventilation.			
	Measures to protect the environment:		revent spilling into the sewage system and aterways.			
	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 ventilated storage rooms, and away from sources sunlight, and other incompatible substances.				
	Packaging materials:	Manuf	acturer's original packaging.			
	Requirements for storage rooms and vessels:		way from food and drink. Keep the containers 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.				
	Eurther information on storage conditions:		t place the unused material in the storage room onot use empty containers for storing other cals. Do not store with incompatible materials (see n 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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Trading name:				BLUING	REAGENT		
Product code:	BR-OT-	X**	Date of co	ompilation:	23 January	2023	Version: 7
Recomme	ndations:			-			
Industrial	sector spe	cific solution	ıs:	-			
SECTION 8. Expos	ure contr	ols/persona	l protection				
8.1. Control pa	arameters						
Substance	•	CAS N		cupational e alues/short	exposure limit term values	Biolo	gical limit values
				ppm	mg/m³		
-		-		-	-	No informa	ition available
Substance - name:							
EC No: -		CAS No:	-				
DNEL							
			li	ndustrial			
Route of exposure:		Acute			Chronic		Chronic
·	effe	effect local effe		/stemic	stemic effect lo		effect systemic
Oral	-		-		-		
Inhalation	-		-		-	-	
Dermal	-		-		-	-	
Critical physical par	rameters: s	solubility, flar		•			
				onsumer			
Route of exposure:		Acute ect local	Acu effect sy		Chronic effect local		Chronic effect systemic
Oral	-		-		-		
Inhalation	-		-		-	-	
Dermal	-		-		-	-	
PNEC							
Environmental protection target				PNEC			
Fresh water				No inforr	No information available		
Freshwater sediments				No inforr	nation available	e	
Marine water				No information available			
Marine sediments				No inforr	nation available	e	
Food chain				No inforr	No information available		
Microorganisms in sewage treatment				No inforr	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) (E visor.					
8.2.2.2.	Skin protection						
			ective gloves must be according to the EU Directive 2016/425/EEC and lard 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					
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	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
рН:	>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	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure ti	ime Results
Oral exposure:	No information available	-	LD ₅₀	-	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	_	-
Specific ta	rget organ toxicity – s	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 -		
	l l		I .		<u>:</u>
Aspiration	hazard:	No infor	mation available		
<u> </u>		į			
Irritation a	nd corrosion:				
	Exposure time	Species	Evaluation	Method	Note
Skin irritation:	-	-	-		
Eye irritation:	_	_	_		
,		***	!		
Sensitizatio	on				
Dermal exposure:	No information avai	lable			
Inhalation exposure:	No information avai	lable			
	<u>:</u>				
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. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.				
Dermal exposure:		•	ure, resorption effe ngling sensation o		ely. Long-term exposure



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Inhalation expos	IIre.	large amounts eezing, heada	•		dequately vent	ilated perimete	er may cause	
Eye exposure:		Direct eye co sensation.	ntact may cause slight to moderate irritation, lacrimation and burning					
Repeate	ed dose	toxicity (sub	acute, subchro	onic, chroni	(c)			
į '		Dose	Exposure time	Species	,	Method	Evaluation	Note
Subacute oral	No i availal	nformation ole	No information available	No information available	on	No information available	No information available	-
Subacute dermal	No ii availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Subacute inhalation	No ii availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Subchronic oral	No i availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Subchronic dermal	No i availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Subchronic inhalation	No ii availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Chronic oral	No ii availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Chronic dermal	No ii availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Chronic inhalation	No ii availal	nformation ole	No information available	No informati available	on	No information available	No information available	-
Specific	target (organ tovicit	y – repeated e	ynosure (S	TOT RI	F)·		
Specific	. target (pecific effects			Target org	an	Note
Subacute oral			tion available		No in	No information available -		
Subacute derma	I	No informa	ition available		No in	formation ava	ilable -	
Subacute inhalat	ion	No informa	ition available		No in	formation ava	ilable -	



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Trading name:		BLUING REAGENT					
Product code:	BR-OT-X**	Date of com	pilation:	23 January 2023	Version: 7		
					· · · · · · · · · · · · · · · · · · ·		
Subchronic oral	No infor	mation available	No ir	formation available	-		
Subchronic derma	l No infor	mation available	No ir	formation available	-		
Subchronic inhala	tion No infor	mation available	No ir	formation available	-		
Chronic oral	No infor	mation available	No ir	formation available	-		
Chronic dermal	No infor	mation available	No ir	formation available	-		
Chronic inhalation	No infor	mation available	No ir	nformation available	-		
CMR effe	cts (carcinogeni	city; mutagenicity; repr	oductive to	oxicity)			
Carcinog	enicity:	Current studies	Current studies on test animals did not indicate carcinogenic effects.				
Mutagen	icity <i>in-vitro</i> :	Current in vitr	Current in vitro tests did not indicate mutagenic effects.				
Genotoxi	city:	No information	No information available				
Mutagen	icity <i>in-vivo</i> :	Current in vivo	Current in vivo tests did not indicate mutagenic effects.				
Germ cel	I mutagenicity:	No information	No information available				
Reprodu	ctive toxicity:	No toxicity or organs.	No toxicity on reproductive organs was determined in reproductive organs.				
Summary	of evaluation o	f the CMR properties:	-				
				_			
11.2. Informati	on on other haz	ards:					
11.2.1. Endocrin	e disrupting pro	perties:					
No know	n endocrine disr	upting properties that	affect hum	an health.			
11.2.2. Other inf	ormations:						

SECTION	12. Ec	ologica	l info	rmation

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



Value

Species

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

Trading nam	ne:				BLUING	3 RE	AGENT			11 of 16	
Product cod		BR-OT-X**		Date	of compilation:		3 January 20)23	Ver	sion: 7	
Fish		LC ₅₀	96 hou	ırs	No information available	No information		No inform availat		-	
Crustacea: E		EC ₅₀	48 hou	ırc	No information available		information ilable	No inform availab		-	
Algae/aquatic plants		IC ₅₀	72 hours		No information available		information ilable	No information available		-	
Other organis	sms	-	-		-	-		_		-	
		and degradal	oility								
<u> </u>		gradation ha	lf-lives		Method		Ev	/aluatior	า	No	te
Marine water	No ir	nformation available		No information available		No information available		ilable	-		
Fresh water	No ir	nformation av	ailable	No information available			No informa	tion ava	ilable	-	
Air	No ir	nformation av	ailable	No information available			No informa	tion ava	ilable	-	
Soil	No ir	nformation av	ailable	No information available			No informa	tion ava	ilable	-	
Biod	egradat	tion									
% Degradation	on	Time (day	s)		Method		Evaluation			Note	
No information		o infor vailable	mation	No in availa	formation ble	No information		n No informa available		nation	
12.3. Bioa	ccumul	ativo potentis	J								
		ative potentia ter partition o		ıt (log	Kow)						
Value		centration	рН	°C			Evaluat	ion		Note	
-		information	-	-	No information	on	No informa		-	- • •	
							!				
Bioc	oncentr	ation factor (BCF)								

Method

Evaluation

Note



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Trading name: BLUING REAGENT												
Product cod	roduct code: BR-OT-X**			Date of compilation: 23				23 January 2023			Version: 7	
No information No available av		o inform vailable	information able		tion No information available		No information available			No information available		

Chro	onic ecoto	oxicity										
Value		Dose		osure ime	Spe	cies	Met	hod	Eval	uation	Note	
Chronic toxic	ity on fisł	h LC ₅₀	information					i	No information available		-	
Chronic toxic crustacea (<i>Do</i>	-	EC ₅₀	No information		No inforn availa	nation ble	No information available		No information available		-	
Kno No i	nformation	edicted distributi on available	on in e	environme	ental c	ompart	ments:					
Surf	ace tension											
	/alue	°C	Co	oncentrati	ion		Metho	od		N	ote	
	rmation lable	No information available	No information available		on	No information available		-				
Ads		desorption						1				
Transport	-	coefficient y's constant	lo	g Kow	Ev	aporati	on rate	Ме	Method		Note	
Soil-water	No information		No ir availa	nformation able		inform ailable	nation	No informati available		n -		
Water-air No information available		No ir availa	nformation able		inform ailable	nation	No info availabl		n -			
Soil-air	No available	information	No ir availa	nformation able		inform ailable	nation	No info availabl		n -		
12.5. Resu	ults of PB	T and vPvB asses	ssment									
No.i	nformatio	on available										



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

12.6.	Endocrine disrupting proper	ties				
	No known endocrine disrup	ting properties that affect the environment.				
12.7.	Other adverse effects					
	No adverse effects are expe	ected.				
	N 13. Disposal consideratio					
13.1.	Waste treatment methods					
13.1.1.	Product/Packaging dispos	ali				
13.1.1.	9 9 .	legal person authorized by the Ministry of Environmental and Nature				
	Protection.	regar person dutilonized by the Ministry of Environmental and Nature				
13.1.2.	Waste codes/waste design	nations according to Law:				
	No information available					
13.1.3.	Waste treatment – relevan	nt information:				
	No information available					
13.1.4.	Covere disposal relevan	t information:				
15.1.4.	Sewage disposal – relevan	ed of into the sewage system.				
	waste must not be dispos	ed of file sewage system.				
13.1.5.	Other disposal recommen	dations:				
	Do not dispose of the pro-	duct'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 prov	isions:				
	-					
SECTIO	N 14. Transport information					
1101 -	Transporting/shipment by ro					
UN num		Not subject to transport regulations.				
	per shipping name:					
rranspo	ort 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 se	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	n: 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 restrictions of use						
	Authorizations:	-					
	Restrictions:	-					
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);					
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-quideline)						
	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 ₅₀	Lethal dose, 50%			
		LC ₅₀	Lethal concentration, 50%			
		STOT-SE	Specific target organ toxicity - single exposure			



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

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)				
Classific	cation	Classification procedure			
_		-			
16.5.	Relevant H statements (num	ber and full text)			
***************************************	H: -	-			
16.6.	Training advice:	-			
		** "X" in the product code marks different volumes (different packagings of the product)			
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

ANNEX: Exposure scenario resulting to Chemical safety assessment



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

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Trade name:	OG-6 REAGENT, PAP 2A					
Product code:	OG6-OT-X**	Date of compilation:	14 Nov 2022	Version:	3	

1.1.	Product identifier							
	Trade name: OG-6 REAGENT,			2A				
	Chemical name:	-						
	Catalogue number:	OG6-OT-X**	OG6-OT-X**					
1.2.	Relevant identified uses of the substance or mixture and uses advised against							
	Uses:			Cytoplasn	nic staining reagent acc. to Papanicolaou.			
	Uses advised against:			Only the identified uses are advised.				
	Reason why uses a	dvised 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 supp	lier of the safety d	ata she	eet				
	Supplier:		BioG	BioGnost Ltd.				
	Address:		Medj	1edjugorska 59, Zagreb				
	Telephone numbe	r:	+385	+385 1 2409997				
	Telefax:		+385	+385 1 2404039				
	E-mail of compete	nt person:	msds	msds@biognost.hr				
	National contact:		-					
1.4.	Emergency telepho	one numbers						
	National Protection	n and Rescue Direc	ctorate	•	112			
	Medical information	on:			+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 Reg	julation (EC) No	. 1272/2008 (CLP)		
	Hazard class and catego	ry code:		Hazard statement*:	
	Flam. Liq. 2		H225		
2.1.2.	Additional information				
	-				
*For fu	ıll text of Hazard- and EU Hazard-	statements: see	Section 16.		
2.2.	Label elements				
	Product identification:	OG-6 REAGEN	NT, PAP 2A		
	Identification number:	-			



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

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Trade name:	OG-6 REAGENT, PAP 2A					
Product code:	OG6-OT-X**	Date of compilation:	14 Nov 2022	Version:	3	

	Authorisation number:	-
	Hazard pictograms:	GHS02
	Signal word:	Danger
	Warning statement:	H225 Highly flammable liquid and vapor.
	Precautionary statement:	 P210 Keep away from heat/sparks/open flames/hot surfaces Do not smoke. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection.
	Supplemental hazard information (EU):	-
2.3.	Other hazards	
	Endocrine Disrupting Prope	
	No known endocrine disrupti	
	PBT or a vPvB.	sessment : According to the results of its assessment, this substance is not a

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)			
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	70-90 %	ethanol	Flam. Liq. 2; H225			
107-21-1/ 203-473-3/ 603-027-00-1	-	10-20 %	ethylene glycol	Acute Tox. 4; H302			

SECT	ION 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.



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Trade name:	OG-6 REAGENT, PAP 2A				
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	Following skin contact:	Remove all contaminated clothes/footwear. Thoroughly wash with water for at least 15 minutes.	
	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 20 minutes with the eyelids held wide open.	
	Following swallowing:	Rinse the mouth thoroughly with 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.	ffects, 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 swallowing:	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 med	ical attention and special treatment needed	
	No information available		

SECTI	SECTION 5. Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO2 Large fire - water spray or alcohol-resistant foam		
	Unsuitable extinguishing media:	Water with full jet		
5.2.	Special hazards arising from th	e substance or mixture		
	Hazardous byproducts of fire:	Incomplete combustion of the product.		
5.3.	Advice for firefighters			
	Stay in danger area only with self-contained open-circuit compressed air breathing apparatus and a set for protecting the body from heat dissipation (fireproof clothing).			
5.4.	Additional information			
	Cool endangered receptacles v not contaminate the environment	vith water spray. Collect contaminated fire fighting water separately. Do ent with extinguishing media.		

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures



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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. Keep away from ignition sources.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Self-contained open-circuit compressed air breathing apparatus, a set for protecting the body from heat dissipation (fireproof clothing).			
6.2.	Use sand protective barrier to prevent further spillage of chemicals. Prevent environmental pollution not allowing the chemicals to enter the sewage system, surface water or groundwater.			
6.3.	Methods and materials for cont	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials		
6.3.2.	Cleaning up:	Sawdust, sand, mineral adsorbents		
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112). Do not use incompatible materials (see Section 10).		
6.4.	Reference to other sections			
	See Section 7 for information o	n safe handling.		
	See Section 8 for information on personal protection equipment.			
	See Section 13 for disposal information.			

SECTIO	SECTION 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. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.			
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.			
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.			
	Other measures:	Protect against electrostatic charges.			
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.			



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Trade name:	OG-6 REAGENT, PAP 2A				
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7.2.	Conditions for safe storage, including a	ny incompatibilities
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Protect from heat and direct sunlight.
	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 10).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

8.1.	SECTION 8. Exposure	controls/person	al protection	on					
Substance CAS No values/short term values ppm mg/m³ mg/m³ No information available	8.1. Control para	meters	ters						
Ethanol 64-17-5 1000/- 1900/- No information available Ethylene glycol 107-21-1 20/40 52/104 No information available Substance: EC No: - CAS No: - Industrial Route of exposure: Acute effect local Acute effect systemic Chronic effect local Chronic effect local effect systemic Oral - - - - - - Inhalation 1900 mg/m³ (ethanol) - 35 mg/ kg (ethylene glycol) 380 mg/m³ (ethanol) Dermal -	Substance	CAS No)	•			Biological limit values		
Ethylene glycol 107-21-1 20/40 52/104 No information available Substance: EC No: - CAS No: - DNEL Route of exposure: Acute effect local Acute effect systemic Chronic effect local Chronic effect systemic Oral - - - - - - - - - - - 380 mg/m³ (ethanol) - 380 mg/m³ (ethanol) -				ppm m		mg/m³			
Substance: -	Ethanol	64-17-	5	100	0/-	1900/-	No information available		
EC No: - CAS No: - DNEL Industrial Route of exposure: Acute effect systemic Chronic effect local effect systemic Oral -	Ethylene glycol	107-21-	1	20,	4 0	52/104	No information available		
EC No: - CAS No: - DNEL Industrial Route of exposure: Acute effect systemic Chronic effect local effect systemic Oral -									
DNEL Industrial Chronic Chronic effect local effect systemic effect systemic Chronic effect systemic effect systemic effect local effect systemic ef	Substance:	Substance: -							
Route of exposure: Acute effect local Acute effect systemic Acute effect local - - - - -	EC No:			CAS	S No:	-			
Route of exposure: Acute effect local Acute effect systemic Chronic effect local Chronic effect systemic Oral - - - - Inhalation 1900 mg/m³ (ethanol) - 35 mg/ kg (ethylene glycol) 380 mg/m³ (ethanol) Dermal - - -	DNEL								
Route of exposure: effect local effect systemic effect local effect systemic Oral - - - - Inhalation 1900 mg/m³ (ethanol) - 35 mg/ kg (ethylene glycol) 380 mg/m³ (ethanol) Dermal - - - -				Industri	ial				
Oral	Pouto of ovnosuro:	Acute Acu		te Chronic		Chronic	Chronic		
Inhalation 1900 mg/m³ (ethanol) - 35 mg/ kg (ethylene glycol) 380 mg/m³ (ethanol) Dermal 343 mg/kg (ethanol)	Route of exposure.	effect local	effect sys	stemic	effect local		effect systemic		
Inhalation (ethanol) - (ethylene glycol) 380 mg/m³ (ethanol) Dermal 343 mg/kg (ethanol)	Oral	-	-		-		-		
Dermal I - I - I - I - I - I - I - I - I - I	Inhalation	_	-		_	_	380 mg/m³ (ethanol)		
100 mg/kg (ethylene glycol)	Dermal	-	-		, ,		_		
Critical physical parameters: solubility, flammability, corrosivity:	Critical physical param	l neters: solubility fl	<u>l</u> ammability	corrosiv	l /itv:	_	100 mg/kg (ethylene glycol)		
Consumer	Critical physical parall	ictors. Solubility, II							



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	t code.				tomphation.	14 NOV ZOZZ VEISIOII. 3		
Davita a	of exposure:	Acute		Acute	Chronic	Chronic		
Koute 0	i exposure:	effect local	effec	ct systemic	effect local	effect systemic		
Oral		-	-		-	87 mg/kg bw/day (ethanol)		
Inhalatio	on	950 mg/m³ (ethanol)	-		7 mg/kg (ethylene glycol)	114 mg/m³ (ethanol)		
Dermal		-	-		-	206 mg/kg (ethanol) 53 mg/kg (ethylene glycol)		
PNEC								
Environ	Environmental protection target			PNEC				
Fresh water			0.96 mg/l (10 mg/l (et	ethanol) :hylene glycol)				
Freshwater sediments				3.6 mg/kg 37 mg/kg ((ethanol) (ethylene glycol)			
Marine	water			0.79 mg/l (1 mg/l (eth	ethanol) ylene glycol)			
Marine s	Marine sediments			2.9 mg/kg (ethanol) 3.7 mg/kg (ethylene glycol)				
Food ch	ain			380-720 mg/kg (ethanol)				
Microor	ganisms in sev	vage treatment		580 mg/l (ethanol) 199.5 mg/l (ethylene glycol)				
Soil (agr	ricultural)			0.63 mg/kg (ethanol) 1.53 mg/kg (ethylene glycol)				
Air				no information available				
8.2.	Exposure co	ontrols						
8.2.1.	Appropriate	e engineering con	trols					
	1	mixture related o prevent exposur tified uses:	Δ :	Do not eat, drink or smoke in the workspace. Use personal protective equipment.				
	Structural mexposure:	neasures to prever	nt	No information available				
	Organisatio prevent exp	nal measures to osure:		Organizatior during work		reduce other worker's influence		
	Technical measures to prevent exposure:			See Section 7.2				
8.2.2.	Personal pro	otection equipme	nt					



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	Organisational measures to preve	•	Adapt the work process to the required working conditions of the workplace. See Section 6		
	Structural measures to prevent exposure:		Use modern equipment.		
	Substance/mixture related measures to prevent exposure:		See Section 6		
8.2.3.	Environmental exposure con	trols			
8.2.2.4.	Thermal hazards:	No information ava	iilable		
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped was a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.			
	Other skin protection:	During everyday work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.			
	Hand protection:	Protective gloves must be according to the EU Directive 2016/425/E and standard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min			
8.2.2.2.	Skin protection				
8.2.2.1.	Eye and face protection:	of concentration in	stick to face (EN 166) or visor in case of lower levels air; protective gas mask that covers the entire face vels of concentration in air.		

SECTI	ON 9. PHYSICAL AND CHEMICAL F	PROPERTIES				
9.1.	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	no information available			
	Colour:	orange	no information available			
	Odour/odour threshold:	ethanol 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:	19 °C	no information available			



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	Auto-ignition temperature:	no information available	no information available
	Decomposition temperature:	no information available	no information available
	pH:	3.0 – 5.5	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
9.2.	Other information		
	-		

SECTIO	SECTION 10.: Stability and reactivity				
10.1.	Reactivity:	The product is stable under normal working and storage conditions.			
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.			
10.3.	Possibility of hazardous reactions:	Risk of explosion after contact with strong acids, alkali metals, alkali metal oxides, nitric acid, oxidizing substances.			
10.4.	Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources.			
10.5.	Incompatible materials:	Oxidants, acids, alkali metals.			
10.6.	Hazardous decomposition products:	Non-degradable if used in the described manner.			

SECTION 11.	SECTION 11. Toxicological information							
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008								
Acut	e toxicity:							
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results			
Oral:	-	rat	LD ₅₀	-	7.060 mg/kg (ethanol) 7.712 mg/kg (ethylene glycol)			



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Trade name:		OG	-6 REAGE	NT, PAP 2	4			
Product code:	OG6-OT-X**	Date o	Date of compilation:			14 Nov 2022 Ver		
Dermal: - rabbit		rabbit	LD ₅₀	-		>20.000 mg/kg (ethan >3.500mg/kg (ethylene glycol)		ianol)
Inhalation: -		rat	LC ₅₀	4 h (ethar	nol) >8.0	000 mg	g/l (ethano	ol)
Specific target o	rgan toxicity - single	•	·SE):	- .				
Oral: Specific effects No information available				Target			Note	
Oral:				informatio				
Dermal:	No information ava			informatio				
Inhalation:	No information ava	aliable	No	informatio	n avallable	-		
Aspiration haza	ard:	No i	nformation	available				
, 5 p	2. 2.			<u> </u>				
Irritation and c	orrosion							
	Exposure time	Species		Evaluation	n e	Met	:hod	Note
Skin corrosion/irritation	Skin No information No			No information available		No information available		-
Serious eye damage/irritation	No information available	No inform available	ation No i avail	nformation able	ii	No information available		-
Sensitization								
Skin sensitization:	No information	availahle						
Respiratory	No information							
sensitization:								
Symptoms relate	ed to the physical, ch	emical and toxico	ological cha	racteristics				
Oral exposure:	Swallowing may consensation; higher In case of vomitin concentration ma	ause irritation of levels of concent g, aspiration caus	mucosa, tin ration may o	gling sensat cause nause	a, abdomir	ıal paiı	n and von	niting.
Dermal exposure:	Slight irritation. A may cause drying				e not likely	. Long	-term exp	osure
Inhalation exposure:	Inhalation of large coughing, sneezir			quately vent	tilated peri	meter	may caus	е
Eye exposure:	Direct eye contact	t may cause sligh	t to modera	te irritation,	lacrimatio	n and	burning	



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Dose	Exposure time	Species	Method	Evaluation	Note
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
No information available	No information available	No informati on available	No information available	No information available	-
	No information available No information available No information available	No information available No information available	No information available No info		



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Trade name:		OG-6 REAGENT, PAP 2A						
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		•			
Subacute dermal	No information available	e No information available	_		
Subacute dermai	No information available		_		
Subchronic oral	No information available				
			-		
Subchronic dermal	No information availabl		-		
Subchronic inhalation	No information availabl		-		
Chronic oral	No information availabl		-		
Chronic dermal	No information availabl	e No information available	-		
Chronic inhalation	No information availabl	e No information available	-		
CMR effects (carcinogen	icity, mutagenicity, reproduct	rive toxicity)			
CMR effects (carcinogen	icity, mutagenicity, 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 mutagenicity:		No information available			
Reproductive toxicity:		No information available			
Summary of evaluation of	of the CMR properties:	No information available			
11.2. Information on ot	her hazards:				
11.2.1. Endocrine disrupt	ing properties:				
No known endoc affect human hea	rine disrupting properties tha lth.	at			
11.2.2. Other information	ns:				

SECTION 12. E	SECTION 12. Ecological information									
12.1. Toxic	ity									
Acute (short- term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note				
Fish	LC ₅₀	96 hours	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol)	-				
Crustacea:	EC ₅₀	48 hours	Daphnia magna	No information available	7.800 mg/l (ethanol) >100 mg/l (ethylene glycol)	-				



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Trade name:		OG-6 REAGENT, PAP 2A					
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Algae/aquat plants:	IC ₅₀	72 hours	algae		ormation ailable	6.500-13	/l (ethanol) 8.000 mg/l ne glycol)	-
Other organisms	-	-	-	-		-		-
Chronic (long-term) toxicity	Doza	Exposure time	Species	Me	ethod	Evalı	uation	Note
Fish	LC ₅₀	96 hours	No information available	No info	ormation le	No inform available	ation	-
Crustacea:	EC ₅₀	48 hours	No information available No information available No information available		No information No informat		-	
Algae/aquat plants	ic IC ₅₀	72 hours	No information available	No info	ormation le	No inform available	ation	-
Other organisms	-	_	-	-		-		-
100 B								
	sistence and d otic degradati							
,		tion half-lives	Method	t	Evalu	ation	No	ote
Marine water	No informati		No information		No informa	ation	-	
Fresh water	No informati	ion available	No information		No informa	ation	-	
Air	No informati	ion available	No information		No informa available	ation	-	
Soil	No informati	ion available	No information		No informa available	ation	-	
Biodegrac	lation							
% Degradat		ne (days)	Method		Eval	uation	No	ote
-	-		-		-		-	
12.3.	Bioaccumulati	vo notontial						
14.5.	pioaccumulati	ve poteritiai						



Trade name:

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OG-6 REAGENT, PAP 2A

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Product	t code:	OG6-O	T-X**		D	ate	of compila	tion:	1	4 Nov 2022	Version: 3
Value		Concentrati	on	рН	°C	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Meth	od	Ev	aluation	Note
-	-			-	-		-		-	-	
Bio	oconcent	ration Facto	or (BCF)								
Valu	ue	Sp	oecies				Method		E	valuation	Note
No informat available		No informa	ition avai	able	No in	forn	nation availa	able	No inf availal	ormation ole	-
Chror	nic ecotox	cicity									
Va	lue	Dose	E	xposu	re time		Species	М	ethod	Evaluation	Note
Chronic on fish	toxicity	LC ₅₀	No ava	inf ilable	ormati	on	No informati on available	No infor availa	mation able	No information available	-
Chronic on crust (Daphnia	acea	EC ₅₀	No ava	inf ilable	ormati	on	No informati on available	No infori availa	mation able	No information available	-
		i	i					<u> </u>		i	· · ·
12.4.	Mobility	in soil									
	Known	or predicted	d distribut	tion in	enviror	nme	ntal compar	tment	s:		
	No info	rmation ava	ilable								
	Surface	tension:			-						
	Va	alue		°C		С	oncentratio		Method		Note
	No in available	formation e	No available	inform	nation		information ailable	in	o Iformatic vailable	on -	
Adsor	rption / d	esorption									
Transpo	rt	A/D coeffice Henry's con			og Kow	I	Evapora	tion ra	ite	Method	Note



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Trade n	ame:		OG	-6 REAGENT, PA	P 2A		
Produc	t code:	OG6-OT-X**	Date o	of compilation:	14 Nov 2022	Version:	3
Soil-Wat	ter No	information ble	No information available	No information available	No information available	-	
Water-A	ir No availa	information ble	No information available	No information available	No information available	-	
Soil-Air	No availa	information ble	No information available	No information available	No information available	—	
40.5	D						
12.5.		FPBT and vPvB assest available data, the p		contain any PRT or y	PvR substances		
	based Off	available data, tile p	Journal of the state of the sta	Contain any 1 b 1 or v	n vo substances.		
12.6.	Endocrine	e disrupting propert	ies				
	Based on	available data, does	not contain endo	crine disruptors.			
12.7.		verse effects					
	No advers	se effects are expec	tea.				
SECTIO	N 13. Disp	osal considerations	s				
13.1.		atment methods					
13.1.1.		Packaging disposal					
	Submit f Protection	•	egal person author	ized by the Ministry	of Environmental ar	nd Nature	
13.1.2.	Waste co	odes/waste designa	tions according to	Low:			
					aminated with hazard	dous substar	nces
13.1.3.		eatment – relevant i	information:				
	No infor	mation available					
13.1.4.	Sewage	disposal – relevant i	nformation:				
	Waste m	oust not be disposed	d of into the sewag	ge system.			
13.1.5.		sposal recommenda					
	authoriz	•	n charge. Do not d	ispose of the packa	Submit the remains ging into the sewage ge.		
		: Community provisi					



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Trade name:		OG-6 REAGENT, PAP 2A					
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Disposal must be made accord	ing to official regulations.
SECTION 14. Transport information	
Transporting/shipment by road (ADR	
UN number	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	11
Environmental hazards:	No information available
Special precautions for user:	-
Transporting/shipment by rail (RID)	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Transporting/shipment by inland wat	rerways (ADN)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Transporting/shipment by sea (IMDG	i)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	11
Environmental hazards:	No information available
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air (ICAO-	TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution



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Transport hazard class(es):	3
Packing group:	П
Environmental hazards:	No information available
Special precautions for user:	-
Further - information:	

15.1.	ON 15. Regulatory info	rironmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorisation and/or	restrictions on use
	Authorisations:	-
	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 guideline)	1999/13/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 assess	sment
	None	



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SECTIO	ON 16. Other information	n	
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 proce	edure used to derive the	e classification for mixture according to Regulation (EC)
Classifi	cation	Classification procedu	re
_		-	
16.5.	Relevant H statements	(number and full text)	
	225 H: 302	Highly flammable Harmful if swallov	•
16.6.	Training advice:	-	
16.7.	product) Further information: We are not respons		ode marks different volumes (different packaging of the e for consequences in case of failure to comply with improper use of the product described in this material

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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Trade name:		EA 50 REAGENT, P	AP 3B	
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

1.1.	Product identifier					
	Trade name:	EA 50 REAGE	ENT, PAP 3B			
	Chemical name:	-	-			
	Catalogue number:	EA50-OT-X**	k			
1.2.	Relevant identified	uses of the sub	ostance or m	nixture ar	nd uses advised against	
	Uses:			Cytopla	smic staining reagent acc. to Papanicolaou.	
	Uses advised agair	nst:		Only th	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 supp	olier of the safet	y data shee	t		
	Supplier:		BioGno	BioGnost Ltd.		
	Address: M		Medjug	Medjugorska 59, Zagreb		
	Telephone number: +385		+385 1	1 2409997		
	Telefax: +385 1		+385 1	1 2404039		
	E-mail of compete	nt person:	msds@	nsds@biognost.hr		
	National contact:		-			
1.4.	Emergency telephone numbers					
	National Protection and Rescue Directorate:			112		
	Medical information	on:			+385 1 2348 342	
	Other information:					

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance of	or mixture			
2.1.1.	Classification according to Regu	ulation (EC) No	. 1272/2008 (CLP)		
	Hazard class and category	y code:		Hazard statement*:	
	Flam. Liq. 2		H225		
2.1.2.	Additional information				
	-	-			
*For fu	III text of Hazard- and EU Hazard-s	tatements: see	e Section 16.		
2.2.	Label elements				
	Product identification:	EA 50 REAGEN	NT, PAP 3B		
	Identification number:	-			



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Trade name:		EA 50 REAGENT, PAP 3B	
Product code:	EA50-OT-X**	Date of compilation: 29 December 20	022 Version: 4

	Authorisation number:				
	Authorisation number.	-			
	Hazard pictograms:	GHS02			
	Signal word:	Danger			
	Hazard statement:	H225 Highly flammable liquid and vapor.			
		P210 Keep away from heat/sparks/open flames/hot surfaces Do not smoke.			
	Precautionary statement:	P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection.			
	Supplemental hazard information (EU):	-			
2.3.	Other hazards				
	Endocrine Disrupting Prope	rties:			
	No known endocrine disrupti	ng properties			
	Results of PBT and vPvB ass PBT or a vPvB.	sessment: According to the results of its assessment, this substance is not a			

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)		
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	70 – 90 %	ethanol	Flam. Liq. 2; H225		
107-21-1/ 203-473-3/ 603-027-00-1	-	15-25%	ethylene glycol	Acute Tox. 4; H302		

SECT	SECTION 4. First aid measures			
4.1.	Description of first aid measures			
	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.		



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Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

	Following skin contact:	Remove all contaminated clothes/footwear. Thoroughly wash with water for at least 15 minutes.
	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 20 minutes with the eyelids held wide open.
	Following swallowing:	Rinse the mouth thoroughly with 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 effects, 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 irritation, tearing, redness and pain.	
	Following swallowing:	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 medical attention and special treatment needed	
	No information available	

SECTION 5. Firefighting measures		
5.1.	Extinguishing media	
	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO2 Large fire - water spray or alcohol-resistant foam
	Unsuitable extinguishing media:	Water with full jet
5.2.	Special hazards arising from the substance or mixture	
	Hazardous byproducts of fire:	Incomplete combustion of the product.
5.3.	Advice for firefighters	
	Stay in danger area only with self-contained open-circuit compressed air breathing apparatus and a set for protecting the body from heat dissipation (fireproof clothing).	
5.4.	Additional information	
	Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. Do not contaminate the environment with extinguishing media.	

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures



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Trade name:	EA 50 REAGENT, PAP 3B			
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

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. Keep away from ignition sources.
	Emergency procedures:	Mark the area using proper signs.
6.1.2.	For emergency responders:	
	Self-contained open-circuit compressed air breathing apparatus, a set for protecting the body from heat dissipation (fireproof clothing).	
6.2.	Environmental precautions:	
	Use sand protective barrier to prevent further spillage of chemicals. 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:	Sand protective barrier or barriers made of similar materials
6.3.2.	Cleaning up:	Sawdust, sand, mineral adsorbents
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112). 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 protection equipment. See Section 13 for disposal information.	

SECTION 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. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.	
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.	
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.	
	Other measures:	Protect against electrostatic charges.	
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.		



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Trade name:		EA 50 REAGENT, F	PAP 3B		
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version:	4

7.2.	Conditions for safe storage, including a	ny incompatibilities
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Protect from heat and direct sunlight.
	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 10).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection						
8.1. Control para	meters					
Substance	CAS No			Occupational exposure limit values/short term values		Biological limit values
			ppr	m	mg/m³	
Ethanol	64-17	-5	1000	0/-	1900/-	No information available
Ethylene glycol	107-21	I-1	20/4	40	52/104	No information available
Substance:	-					
EC No:	-		CAS No: -			
DNEL						
		Ir	ndustria	I		
Route of exposure:	Acute effect local	Acute effect syste	Chronic effect local			Chronic effect systemic
Oral	-	-	-	-		-
Inhalation	1900 mg/m³ (ethanol)	-		35 mg/ (ethyler	kg ne glycol)	380 mg/m³ (ethanol)
Dermal	-	-	-	-		343 mg/kg (ethanol) 106 mg/kg (ethylene glycol)
Critical physical param	neters: solubility, fl	ammability, c	corrosivit	:y:	-	



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Trade name:		EA 50 REAGENT, P	PAP 3B	
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

	t code.	A30-01-X		246001	Compliation. 23 L	version. 4	
				Consun	ner		
Route o	of exposure:	Acute effect local		Acute ct systemic	Chronic effect local	Chronic effect systemic	
Oral		-	-	<u> </u>	-	87 mg/kg bw/day (ethanol)	
Inhalatio	on	950 mg/m³ (ethanol)	-		7 mg/kg (ethylene glycol)	114 mg/m³ (ethanol)	
Dermal		-	-		-	206 mg/kg (ethanol) 53 mg/kg (ethylene glycol)	
PNEC			•				
Environi	mental protect	tion target		PNEC			
Fresh w	ater			960 µg/l (e 10 mg/l (et	thanol) thylene glycol)		
Freshwa	ter sediments			3.6 mg/kg 37 mg/kg	(ethanol) (ethylene glycol)		
Marine water				790 μg/l (ethanol) 1 mg/l (ethylene glycol)			
Marine sediments				2.9 mg/kg (ethanol) 3.7 mg/kg (ethylene glycol)			
Food ch	ain			380-720 mg/kg kg (ethanol)			
Microor	ganisms in sev	wage treatment		580 mg/l (ethanol) 199.5 mg/l (ethylene glycol)			
Soil (agı	ricultural)			0.63 mg/kg (ethanol) 1.53 mg/kg (ethylene glycol)			
Air				no informa	ition available		
	,						
8.2.	Exposure co	ontrols					
8.2.1.	Appropriate	e engineering con	trols				
	-	mixture related o prevent exposur tified uses:	Έ :	Do not eat, drink or smoke in the workspace. Use personal protective equipment.			
	Structural n exposure:	neasures to preve	nt	No informat	ion available		
	Organisatio prevent exp	nal measures to oosure:		Organization of work in order to reduce other worker's influduring work process.			
	Technical mexposure:	neasures to prever	nt	See Section	7.2		
8.2.2.	Personal pr	otection equipme	nt				



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Trade name:		EA 50 REAGENT, P	PAP 3B	
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

	Organisational measures to p Technical measures to prever	•	conditions of the workplace. See Section 6	
	Structural measures to prevent exposure:		Adapt the work process to the required working	
			Use modern equipment.	
	Substance/mixture related m exposure:	easures to prevent	See Section 6	
8.2.3.	Environmental exposure cont	rols		
8.2.2.4.	Thermal hazards:	No information ava	iilable	
8.2.2.3.	Respiratory protection:	a filter for organic	mask (EN 136) or half mask (EN 140) equipped with apors, type "A" (boiling point >65°C) acording to en concentration levels exceed GVI.	
	Other skin protection:	During everyday work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.		
	Hand protection:	Protective gloves must be according to the EU Directive 2016/425/8 and standard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min		
8.2.2.2.	Skin protection			
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.		

SECTIO	SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES					
9.1.	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	no information available			
	Colour:	violet green	no information available			
	Odour/odour threshold:	ethanol 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:	21°C	no information available			



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Trade name:	EA 50 REAGENT, PAP 3B				
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version:	4

	Auto-ignition temperature:	no information available	no information available
	Decomposition temperature:	no information available	no information available
	pH:	5. 2 – 5.7	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
9.2.	Other information		
	-		

SECTIO	SECTION 10.: Stability and reactivity			
10.1.	Reactivity:	The product is stable under normal working and storage conditions.		
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.		
10.3.	Possibility of hazardous reactions:	Risk of explosion after contact with strong acids, alkali metals, alkali metal oxides, nitric acid, oxidizing substances.		
10.4.	Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources.		
10.5.	Incompatible materials:	Oxidants, acids, alkali metals.		
10.6.	Hazardous decomposition products:	Non-degradable if used in the described manner.		

SECTION 11. Toxicological information						
11.1. In	formation on hazard cla	sses as defined i	n Regulation (EC) No	1272/2008		
A	Acute toxicity:					
Route of exposure:	Method	Species	Effective Dose LD_{50}/LC_{50} or $ATE_{mixture}$	Exposure time	Results	
Oral:	No information available	rat	LD ₅₀	-	7.060 mg/kg (ethanol) 7.712 mg/kg (ethylene glycol)	



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Trade name:			EA 50 RI	EAGENT,	PAP 3B			
Product code:	EA50-OT-X**		Date of compilation: 29 De		29 Decer	mber 2022	Versi	on: 4
Dermal:	No information available	rabbit	LD ₅₀		-	>20.000 (ethanol) >3.500m (ethyleno) ng/kg	
Inhalation:	No information available	rat	LC ₅₀		4 h (ethanol)	>8.000 mg/l (ethanol)		anol)
Specific targe	et organ toxicity - si	ngle exposu	re (STOT-SE):					
	S	Specific effec	cts		Target organ		Not	e
Oral:	No information	·			ormation ava			
Dermal:	No information	n available		No info	ormation ava	ilable -		
Inhalation:	No information	n available			ormation ava			
	i			1		1		
Aspiration I	nazard:		No info	rmation av	ailable			
Irritation ar	nd corrosion							
	Exposure ti	me	Species	Ev	aluation	Me	thod	Note
Skin corrosion/irritat	ion No information available	No availal	information ble	No informavailable	mation	No informa availab		_
Serious eye damage/irritatio	No information available	No availal	No information N available		mation	No informa availab		-
Sensitization								
Skin sensitization	n: No informa	tion availabl	e					
Respiratory sensitization:	No informa							
		1 -1		-1 -1				
Symptoms re	lated to the physica						L	
Oral exposure:	sensation; hig	her levels of niting, aspira	itation of muco f concentration ation causes co suffocation.	may cause	e nausea, abo	dominal pair	n and vo	miting.
Dermal exposur	Δ' -		rt exposure, res ig and tingling	•		likely. Long	-term ex	posure
Inhalation exposure:		-	nts of vapors in ache and nause	•	ely ventilated	d perimeter	may cau	se



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Trade name:		EA 50 REAGENT, F	PAP 3B	
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

Eye exposure:	sensation	-	use slight to mode	erate irritation, lac	rimation and bur	ning
Repeated do	se toxicity (suba	acute, subchronic	c, 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	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	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information	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	-
			(070			
Specific targe	et organ toxicity		osure (STOT-RE):	T		NI-4-
Subacute oral		No information	c effects	Target of		Note
Subacute orai	al	No information		No information available - No information available -		
Subacute inhala		No information				
Subchronic oral		No information		No information available - No information available -		



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Trade name:	EA 50 REAGENT, PAP 3B				
Product code:	EA50-OT-X**	Date of compilation: 29 December 2022 Version: 4			

Subchronic dermal	No information available	No information available	-		
Subchronic inhalation	No information available	No information available	-		
Chronic oral	No information available	No information available	-		
Chronic dermal	No information available	No information available	-		
Chronic inhalation	No information available	No information available	-		
CMR effects (carcinoger	icity, mutagenicity, reproductiv	ve toxicity)			
Carcinogenicity:		No information available			
Mutagenicity in-vitro:		No information available			
Genotoxicity:		No information available			
Mutagenicity in-vivo:		No information available			
Germ cell mutagenicity :		No information available			
Reproductive toxicity:		No information available			
Summary of evaluation	of the CMR properties:	No information available			
11.2. Information on of	ther hazards:				
11.2.1. Endocrine disrupt	ing properties:				
No known endoc affect human hea	rine disrupting properties that lth.				
11.2.2. Other information	ns:				
_					

SECTION 12. Ecological information							
12.1. Toxici	12.1. Toxicity						
Acute (short- term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note	
Fish	LC ₅₀	96 hours	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol)	-	
Crustacea:	EC ₅₀	48 hours	Daphnia magna	No information available	7.800 mg/l (ethanol) >100 mg/l (ethylene glycol)	-	
Algae/aquatic plants:	IC ₅₀	72 hours	algae	No information available	5.000 mg/l (ethanol) 6.500-13.000 mg/l (ethylene glycol)	-	



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Trade name:	EA 50 REAGENT, PAP 3B				
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4	

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

12.2.	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	-

Biodegradation

% Degradation	Time (days)	Method	Evaluation	Note
		-	-	-

12.3. Bioaccumulative potential

Octanol-water partition coefficient (log Kow)					
Value	Concentration	р °C	Method	Evaluation	Note



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Trade name:		EA 50 REAGENT, PAP 3B							
Product	t code:	EA50-0	DT-X**	Da ⁻	te of compilatio	n: 29 De	cember 2022	Version:	4
Bio	oconcent	ration Facto	or (BCF)						
Valu	ne	S	pecies		Method	Eva	luation	Note	
No informat available		No informa	ation available	No info	ormation le	No inform available	nation	-	
Chron	nic ecotox	icity							
Val	lue	Dose	Exposui	re time	Species	Method	Evaluation	Note	
Chronic on fish	toxicity	LC ₅₀	No info available	ormation	No information available	No informat ion availabl e	No information available	-	
Chronic toxicity on crustacea (Daphnia)		EC ₅₀	No info available	ormation	No ir information available a	No informat ion availabl e	No information available	-	
12.4.	Mobility	in soil	,		,	•		·	
		mation ava		n environn	nental compartmo	ents:			
Value No information available		alue	°C		Concentration	Meth od	No	te	
			No info available	ormation	No information available	No infor matio n availa ble			
Adsor	rption / de	esorption							



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Trade name:	EA 50 REAGENT, PAP 3B			
Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note		
Soil-Wate	No information available	No information available	No information available	No information available	-		
Water-Air	No information available	No information available	No information available	No information available	-		
Soil-Air	No information available	No information available	No information available	No information available	-		
12.5.	Results of PBT and vPvB asse	ssment					
	Based on available data, the p	product does not o	contain any PBT or vF	PvB substances.			
12.6.	Endocrine disrupting propert	ies					
	Based on available data, does	not contain endo	crine disruptors.				
12.7.	Other adverse effects						
	No adverse effects are expec	ted.					
:							
SECTION	13. Disposal consideration	s					
13.1.	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
	Submit for disposal to the le Protection.	gal person author	ized by the Ministry	of Environmental an	d Nature		
13.1.2.	Waste codes/waste designa	tions according to	Low:				
	Packaging that contains resi	dual hazardous su	bstances or is contar	minated with hazard	ous substance		
13.1.3.	Waste treatment – relevant	nformation:					
	No information available						
13.1.4.	Sewage disposal – relevant i	nformation:					
	Waste must not be disposed	of into the sewag	ge system.				
13.1.5.	Other disposal recommenda	tions:					
13.1.3.	Do not dispose of the produce authorized by the ministry in the packaging to the collect	ict's remains into t n charge. Do not d	ispose of the packag	ing into the sewage			



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13.1.6. Relevant Community provision	
Disposal must be made accord	ing to official regulations.
SECTION 14. Transport information	
Transporting/shipment by road (ADR	
UN number	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmental hazards:	No information available
Special precautions for user:	-
Transporting/shipment by rail (RID)	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Transporting/shipment by inland was	terways (ADN)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmental hazards:	No information available
Special precautions for user:	-
Transporting/shipment by sea (IMDG	5)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmental hazards:	No information available
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air (ICAO-	TI/IATA-DGR)
UN number:	1170



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Product code:	EA50-OT-X**	Date of compilation:	29 December 2022	Version: 4

UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II .
Environmental hazards:	No information available
Special precautions for user:	-
Further _	
information:	

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations	EU regulations				
	Authorisation and/or i	restrictions on use				
	Authorisations:	-				
	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 Counce 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 guideline)	1999/13/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				



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None

SECTIO	ON 16. Other informati	on	
16.1.	Indication of changes	-	
16.2.	Abbreviations and ac	dangereus Internation IMDG: Inte IATA: Inte GHS: Labelling of EINECS: E Substance CAS: Chemical S DNEL: De LC50: Le LD50: Le PBT: Pe	Chemical Abstracts Service (division of the American
16.3.	Key literature referend data:	es and source of	
16.4.	Classification and pro 1272/2008 (CLP)	edure used to derive the classific	cation for mixture according to Regulation (EC)
Classifi	cation	Classification procedure	
-		-	
16.5.	Relevant H statement	(number and full text)	
	225	Highly flammable liquid a	nd vapor.
	H: 302 Harmful if swa		
16.6.	Training advice:	-	
16.7.	Further information:	product) We are not responsible for cor	rks different volumes (different packaging of the nsequences in case of failure to comply with er use of the product described in this material

ANNEX: Exposure scenario resulting to Chemical safety assessment	
-	



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Trading name:	HISTANOL 100						
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6		

1.1	Product identifier					
	Trading name:	HISTANOL	100			
	Chemical name:	Ethyl alcoho	ol			
	Catalogue number:	H100-X**	H100-X**			
1.2	Relevant identified uses of the substance or			nixture and uses advised against		
	Uses:		For use	in histocytology and cytology sample processing.		
	Uses advised against:			Only the identified uses are advised. Unsuitable for human comsumption.		
	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 safety data sheet					
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent	person:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone number					
	National Protection a	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 Regu	ulation (EC) No 12	272/2008 (CLP)				
	Hazard class and catego	ory code:	Hazard statements*:				
	Flam. Liq. 2		H225				
2.1.2.	Additional information						
	-						
*For ful	ll text of Hazard- and EU Hazard-	statements: see S	ECTION 16				
2.2	Label elements						
	Product identification:	HISTANOL 100					
	Identification number:	-					
	Authorization number:	-					



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Trading name:	HISTANOL 100					
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6	

	Hazard pictograms:	GHS02	
	Signal word:	Danger	
	Hazard statements:	H225 Highly flammable liquid and vapor.	
	Precautionary statements:	P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P403+P235 Store in a well-ventilated place. Keep cool.	
	Supplemetal hazard information (EU):	-	
2.3	Other hazards		
	The product has no other know	n specific hazards for human or environment.	
	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.		
	Endocrine disrupting property:	Based on available data, does not contain endocrine disruptors.	

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)				
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	min. 99 %	ethanol	Flam. Liq. 2; H225				

SECTI	ON 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:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.



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Trading name:	HISTANOL 100					
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6	

	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.		
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting. Do not give the victim anything orally, and do not induce vomiting if		
		the victim is unconscious or suffers from convulsions.		
	Self-protection of the first aider:	-		
4.2	Most important symptoms and ef	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	Inhalation of larger quantities may affect the central nervous system.		
	Following skin contact:	Prolonged or repeated dermal contact may cause the defatting and dryness of the skin.		
	Following eye contact:	May irritate the eyes.		
	Following ingestion:	Ingestion of larger quantities may affect the central nervous system.		
	Tollowing ingestion:	3 3 1		
4.3		cal attention and special treatment needed		

SECTI	ON 5. Firefighting measures			
5.1	Extinguishing media			
	Suitable extinguishing media:	Extinguishing powder, alcohol-resistant foam, water, carbon-dioxide.		
	Unsuitable extinguishing media:	Water with full jet.		
5.2	Special hazards arising from the su	ubstance or mixture		
	Hazardous combustion products:	Highly flammable liquid and vapour. In case of fire, smoke, and other combustion products (carbon monoxide, carbon dioxide) may be formed, the inhalation of such combustion products can have serious adverse effects on health. Vapours may form an explosive mix with air. Vapours may be ignited by open flames, sparks, electrical equipment, or static charge. Vapours may travel to great distances, ignite in contact with ignition sources and flash back to the primer source (container). Vapours of ethyl alcohol mix greatly with air and may form an explosive mixture. Air containing 3.3 – 19 % ethyl alcohol vapours may explode in contact with ignition sources. Diluting the mixture with large amounts of water results in the loss of its flammability (around 10 % concentration of ethyl alcohol).		
5.3	Advice for firefighters	Advice for firefighters		
	Wear full protective clothing and s water spray. Use water spray to dis	elf-contained breathing apparatus. Cool the fire affected containers with ssipate alcohol vapours.		
5.4	Additional information			
	-			



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Trading name:	HISTANOL 100					
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6	

6.1	Personal precautions, protective	e 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.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	ventilation. Vapours may accun	nd clothing and inhaling gases, vapours and aerosols. Ensure adequate nulate at floor level in low and confined spaces. Remove all heat, ignition thines. Ignition spark arrestor must not be operated in the danger area. Use the risk of slipping.		
6.2	Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.			
6.3	Methods and material for conta	ainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	Cleaning up:	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. During the collection, placement, disposal of the waste, wear appropriate individual protective equipment. Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).		
6.3.3.	Utner information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information of See Section 8 for information 0 for information	n safe handling. In personal protection equipment.		

SECTIO	SECTION 7. Handling and storage		
7.1	Precautions for safe handling		
7.1.1.	Protection measures		



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Trading name:	HISTANOL 100			.	
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

	Measures to prevent fire:	Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generatio	n: Ensure adequate ventilation.		
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.		
	Other measures:	Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. The	proughly wash hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	patibilities		
	Technical measures and storage conditions:	Store in a well-ventilated place, protected from sunlight, away from sources of heat and ignition, in its original, unopened and hermetically sealed packaging, away from oxidizing agents, food, feed and articles of consumption.		
	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 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:	-		

SECTION 8. Exposure controls/personal protection				
8.1 Control parameters				
Substance CAS No		· ·	exposure limit t term values	Biological limit values
		ppm	mg/m³	
Ethanol	64-17-5	1000/-	1900/-	-
Substance name: -				



		Page 6 of 17								
Trading nar	me:					HIS	STANOL 100			
Product cod	de:	H100-X	**		Revisi	on date	e: 05 Dec 202	.2 V	ersion:	6
	·		ı		3			·		
EC No:		-	CAS No) :	_					
DNEL										
					In	dustria				
Route of		Acu	ite		Acute		Chronic		Chronic	
exposure:		effect	local	effe	ct systemi	ic	effect local	effec	t systemic	
Oral		-		-		-		-		
Inhalation		1900 mg (ethanol)		-		-		380 mg/m ³	(ethanol)	
Dermal		-		-		-		343 mg/kg	(ethanol)	
Critical physi	ical para	ameters: s	olubility,	flamm	ability, co	rrosivity	: -			
					Co	onsume	<u> </u>			
Route of		Ad	cute		Acute		Chronic		Chronic	
exposure:		effect local effect sy		ct systemi	ic	effect local	effec	t systemic		
Oral		-		-		-		87 mg/kg b	w/day (eth	anol)
Inhalation		950 m (ethan	_	-		-		114 mg/m ³	(ethanol)	
Dermal		-		-		-		206 mg/kg	(ethanol)	
PNEC										
Environment	al prote	ection tar	get			PNEC				
Fresh water						0.96 m	ıg/l (ethanol)			
Freshwater s	edimen	ts				3.6 mg	y/kg (ethanol)			
Marine water	r					0.79 m	ıg/l (ethanol)			
Marine sedin	nents					2.9 mg	y/kg (ethanol)			
Food chain						380-720 mg/kg (ethanol)				
Microorganis	sms in s	sewage tr	eatment			580 mg/l (ethanol)				
Soil (agricult	ural)					0.63 mg/kg (ethanol)				
Air	Air				no information available					
0.0	_									
	•	re contro								
8.2.1.	Approp	oriate eng	ineering	contro	ls	la aa	f - hd			
	Substance/mixture related measures to prevent exposure during identified uses:				In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.					

In accordance with Section 7.

Structural measures to prevent

exposure:



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Trading name:	HISTANOL 100				
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.	
		posure:	In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation.	
	, , , , , , , , , , , , , , , , , , ,		Use non-sparkling ventilation system.	
			Provide appropriate personal protective equipment, safety shower and eye-wash station.	
8.2.2.	Personal protection equipment			
8.2.2.1.	Eye and face protection:	Use appropriate, chemical-proof protective glasses/face shield (EN ISO 16321-1:2022, EN 166).		
8.2.2.2.	Skin protection	•		
	Hand protection:	Use appropriate, chemical-resistant protective gloves (EN 374).		
	Other skin protection:	Use appropriate protective clothing.		
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If ntration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short t and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).	
8.2.2.4.	Thermal hazards:	No the	ermal hazards known.	
8.2.3.	Environmental exposure controls			
	Substance/mixture related measures to prevent exposure:	See Se	ction 6	
	Structural measures to prevent exposure:	Use mo	odern equipment.	
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.	
	Technical measures to prevent exposure:	See Section 6		

SECT	SECTION 9. Physical and chemical properties				
9.1	Information on basic physical and	chemical properties			
		Value	Method		
	Physical state:	liquid	No information available		
	Colour:	colourless	No information available		
	Odour/odour threshold:	ethanol like/no information available	No information available		
	Melting point / freezing point:	No information available	No information available		



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Trading name:	HISTANOL 100				
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

	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:	lower: 3.3 Vol % upper: 19 Vol %	No information available
	Flash point:	13 °C	No information available
	Auto-ignition temperature:	363 °C	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:	in water completely miscible	No information available
	Partition coefficient noctanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	0.79 – 0.7921 (20°C)	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	Explosive properties: the vapours f	rom ethyl alcohol form an expl	osive mixture with air

SECTIO	SECTION 10. Stability and reactivity				
10.1	Reactivity:	See Section 10.5.			
10.2	Chemical stability:	Stable within normal temperature and general work conditions.			
10.3	Possibility of hazardous reactions:	See Section 10.5.			
10.4	Conditions to avoid:	Keep away from heat, sparks, open flames, strong heating and ignition sources. No smoking.			
10.5	Incompatible materials:	Strong oxidizing agents (inorganic strong acid, nitric acid, perchlorates, peroxy compounds, perchloric acid, permanganates etc.), alkali metals, alkali earth metals.			
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide.			

SECTION 11. Toxicological information							
	3 , , , ,						
P	Acute toxicity:		,				
Route of exposure:	Method	Species	Dose LD_{50}/LC_{50} or ATE_{mix}	Exposure time	Results		



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Trading name:				HISTA	NOL 100		Page 9 01		
Product code:	H100-X**		Revision c		05 Dec 2	ν Ω 20	Version:	6	
Troduct code.	11100 X		TREVISION C	ace.	03 Dec 2	.022	version.		
Oral:	-	rat (ethano	ol)	LD ₅₀		-	7.060	mg/kg	
Dermal:	- rabbit (etha		nol)	LD ₅₀		-	>20.0	>20.000 mg/l	
Inhalation:	- rat (ethan		ol)	LC ₅₀		4 h	>8.00	>8.000 mg/l	
Specific to	arget organ to	xicity – single ex	xposure (ST	OT SE):		***			
	S	pecific effects			Target orga	n	Note		
Oral:	No informa	tion available		No info	rmation avail	able -			
Dermal:	No informa	tion available		No info	rmation avail	able -			
Inhalation:	No informa	tion available		No info	ormation avail	able -			
Aspiration	n hazard:		No inform	nation a	vailable.				
			1.0						
Irritation	and corrosion								
	Ехро	osure time	Specie	es	Evaluation	Method	Not	e	
Skin corrosion/irritation	- 1:		-		-	-	-		
Serious eye damage/irritation	-		-		-	-	-		
Sensitizat	ion								
Skin sensitization:		o information av	/ailable.						
Respiratory sensiti	zation: No	o information av	vailable.						
	<u> </u>								
Symptom	s related to th	e physical, chen	nical and to	oxicolog	ical character	istics			
Oral exposure:	unconsci	on of great ousness and alc may occur. Rep	ohol poiso	ning. In	case of swallo	wing great qu			
Dermal exposure:	After pro		eated exp	ed exposure symptoms may include: defatting, dryness a					
Inhalation exposur	e: Inhalatio membrai	n of great quant nes.	tities may ca	ause diz	ziness, eupho	ria and mild i	rritation of the	: mucou	
Eye exposure:	May caus	se irritation and	redness.					-	
Do	doco tovi site i	(cubacuta -ula-	bronia elem	anis)					
Kepeated	Dose Dose	Exposure time	Specie		Method	Evaluatio	on No	te	



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Trading name:	HISTANOL 100				
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

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	-

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



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Trading name:	HISTANOL 100				
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

	CMR effects (carcinogenicity; mutagenicity;	Teproductive toxicity)				
	Carcinogenicity: B	Based on available data, the classification criteria are not met.				
	Mutagenicity in vitro:	ased on available data, the classification criteria are not met.				
	Genotoxicity:	ased on available data, the classification criteria are not met.				
	Mutagenicity <i>in vivo</i> :	ased on available data, the classification criteria are not met.				
	Germ cell mutagenicity:	ased on available data, the classification criteria are not met.				
	Reproductive toxicity:	ased on available data, the classification criteria are not met.				
	Summary of evaluation of the CMF properties:	Based on available data, the classification criteria are not met.				
11.2	Information on other hazards:					
11.2.1.	Endocrine disrupting properties:					
	Based on available data, does not contain endocrine disruptors.	٦				
11.2.2.	Other informations:					

SECTION 12. Ecological information							
12.1 Toxicity							
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note	
Fish	LC ₅₀	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-	
Crustacea:	EC ₅₀	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	_	
Algae/aquatic plants	IC ₅₀	4 days	algae	No information available	5.000 mg/l / 7d (ethanol)	-	
Other organisms	-	-	-	_	-	-	
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note	
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-	



Value

Species

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

						Page 12 of 17	
:			HISTA	NOL 100			
: H	I100-X**		Revision date:	05 Dec 20	22	Version:	
	EC ₅₀	48 hours	No information available	No information available	No inforr	mation -	
Algae/aquatic plants IC ₅₀		s IC ₅₀ 72 hours		No information available	No inforr available	i _	
าร	-	-	_	-	-	-	
c degra	ndation		Method	Evaluatio	on .	Note	
No ir	nformation a	available	No information available	No informatio available	n -		
No ir	No information available		No information available	No information available		-	
No ir	No information available		No information available	available		-	
No ir	nformation a	available	No information available	tion No information available		-	
gradatio	on						
on	Time (days)	Method	Evaluatio	n	Note	
		formation	No information available	No information available		No information available	

	tive potentia						
ol-wate	tive potentia er partition c		og Kow) °C Method	Evalu	ıation	Note	
	plants ns tence all c degra No ir No ir No ir gradation n	EC ₅₀ plants IC ₅₀ relate and degradal codegradation Degradation has No information and No information	EC ₅₀ 48 hours plants IC ₅₀ 72 hours ns tence and degradability c degradation Degradation half-lives No information available EC50 48 hours No information available Plants IC50 72 hours No information available Revision date: No information available EC50 48 hours No information available Plants IC50 72 hours No information available Plants IC50 No informatio	EC ₅₀	Revision date: 05 Dec 2022 Version: EC ₅₀		

Method

Evaluation

Note



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Tradin										age 13 of 17
	g name:					HIST	ANOL 10	0		
Produc	ct code:	H100)-X**		Revision date: 05 De		ec 2022		Version:	
BCF: 0.66 No inf available		inform ble	nation No informatio available			on No information available		-		
	Chronic e	cotoxici	ty	1	1					
	Value		Dose		osure me	Species	Meth	nod	Evaluation	n Note
Chronic	Chronic toxicity on fish LC ₅₀ Chronic toxicity on crustacea (<i>Daphnia</i>) EC ₅₀		LC ₅₀	No infori availa	mation	No information available	No n inform availab	ation i	lo nformation vailable	-
			EC ₅₀	No infori availa	mation	No information available	No n inform availab	ation ir	lo nformation vailable	-
12.4	Mobility i Known or No inform Surface to	r predict nation a	ed distributi vailable	on in e	environme	ental compa	artments:			
	Juliace to	ension:								
	Value		°C	Co	oncentrat	ion	Metho	od		Note
		No on in		No	oncentrat informati ilable	on No i	Metho informatio lable		-	Note
	Value No information	No on in	o formation	No	informati	on No i	nformatio		-	Note
	Value No information	on int	o formation vailable	No	informati	on No i	nformatio		-	Note
Transpo	Value No informati available	on intav	o formation vailable	No ava	informati	on No i	nformatio	n	- ethod	Note
Transpo Soil-wa	Value No informatic available Adsorptio	on infav	formation railable orption pefficient sconstant onformation	No ava	informati ilable og Kow	on No i	informatio lable ation rate rmation	Me	ethod	
	Value No informatic available Adsorption ort iter iter	on intavent	formation vailable orption oefficient oconstant onformation	No ava	information inform	evapora No info	ation rate rmation e	Me No info availabl	ethod ormation le	Note



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Trading name:		HISTANG	DL 100		
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

12.6.	Endocrine disrupting properties	
	. 3	ot contain endocrine disruptors.
12.7.	Other adverse effects	
	Do not let the product or its res	idues reach sewer system, waterways and soil.
	N 13. Disposal considerations	
13.1	Waste treatment methods	
13.1.1.	Dradust/Daskasing disposal	
15.1.1.	Product/Packaging disposal:	al person authorized by the Ministry of Environmental and Nature
	Protection.	al person authorized by the Ministry of Environmental and Nature
13.1.2.	Waste codes/waste designation	ons according to Law:
	Packaging that contains resid	ual hazardous substances or is contaminated with hazardous substances
13.1.3.	Waste treatment – relevant in	formation:
	No information available	
13.1.4.	Cowago disposal relevant in	formation
15.1.4.	Sewage disposal – relevant in Waste must not be disposed	
	waste must not be disposed	of file sewage system.
13.1.5.	Other disposal recommendati	ions:
	Do not dispose of the product authorized by the ministry in	ct's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit ors authorized by the ministry in charge. Unused product residues may be
13.1.6.	Relevant Community provisio	ns:
	Disposal must be made accor	ding to official regulations.
SECTIO	N 14 TRANSPORT INFORMATI	ON
	Transporting/shipment by road	
UN num		1170
	per shipping name:	Ethanol solution
•	rt hazard class(es):	3
Packing	group:	



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Trading name:	HISTANOL 100				
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
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:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	



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Trading name:	HISTANOL 100				
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15.1	Safety, health and environ	mental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or restr	ictions 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;
		COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 199 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 assessmen	nt
	None	

SECTION 16. Other information	
16.1 Indication of changes:	-



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Trading name:	HISTANOL 100				
Product code:	H100-X**	Revision date:	05 Dec 2022	Version:	6

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			
Key literature references and source of data:	Manufacturer's MSDS file.			
Classification and procedure used to derive the classification for mixture according to Regulation (E 1272/2008 (CLP)				
cation	Classification procedure			
	-			
Relevant H statements (number	er and full text)			
H: 225	Highly flammable liquid and vapor.			
Training advice:	-			
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.			
	Key literature references and source of data: Classification and procedure und 1272/2008 (CLP) cation Relevant H statements (number 1272) Training advice: Further information:			

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



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Trade name:	BIOCLEAR NEW					
Product code:	BCN-X**	Date of compilation:	14 November 2022	Version:	7	

SECTI	ON 1: Identification of	the su	bstance/mixture ar	nd of the company/undertaking		
1.1.	Product identifier					
	Trade name:	ВІО	CLEAR NEW			
	Chemical name:	-				
	Catalogue number:	BCN	3CN-X**			
1.2.	Relevant identified uses of the substance or mixture and uses advised against					
	Uses:		Xylene substitute us	sed as clearing agent.		
	Uses advised against:		uses are advised.			
	Reason why uses advis	sed	nded for use only as an <i>in vitro</i> diagnostic medical device, gency for Medicinal Products and Medical Devices and o 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 5	9, Zagreb		
	Telephone number:					
	relephone number.		+385 1 240999	7		
	Telefax:		+385 1 240999 +385 1 240403			
		erson	+385 1 240403	19		
	Telefax:	erson	+385 1 240403	19		
1.4.	Telefax: e-mail of competent p		+385 1 240403 : msds@biogno: -	19		
1.4.	Telefax: e-mail of competent p National contact:	numb	+385 1 240403 : msds@biogno: -	19		
1.4.	Telefax: e-mail of competent p National contact: Emergency telephone	numb	+385 1 240403 : msds@biogno: -	st.hr		

SECTIO	SECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture						
2.1.1.	Classification according to Re	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and cate	Hazard class and category code: Warning statements*:					
	Aspir. Tox. 1		H304				
2.1.2.	Additional information						
	EUH066						
* For fu	ıll text of Hazard- and EU Hazaı	rd-statements: see SI	ECTION 16				
2.2.	Label elements						
	Product identification:	Product identification: BIOCLEAR NEW					
	Identification number:	-					
	Authorisation number:	-					



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Trade name:	BIOCLEAR NEW				
Product code:	BCN-X**	Date of compilation:	14 November 2022	Version: 7	

Hazard pictograms:	GHS08
Signal word:	Danger
Hazard statement:	H304 May be fatal if swallowed and enters airways. EUH066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements:	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents and container in accordance with local regulations.
Supplemetal hazard information (EU):	-
Other hazards	
Other hazards Physical / Chemical Hazards: Material can accumulate static charges which may cause an ignition. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited. Combustible. Health Hazards: Repeated exposure may cause skin dryness or cracking. May be irritating to the eyes, nose, throat, and lungs. Environmental Hazards: No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII. Endocrine Disrupting Properties:	
	Signal word: Hazard statement: Precautionary statements: Supplemetal hazard information (EU): Other hazards Physical / Chemical Hazards: Material can accumulate static ch flammable mixtures. Vapour accur Health Hazards: Repeated exposure may cause skin Environmental Hazards: No significant hazards. Material do

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)	
- 920-901-0 -	01-2119456810-40	100%	Hydrocarbons, C11- C13, isoalkanes, <2% aromatics	Aspir. tox. 1; H304 EUH066	

SECTIO	SECTION 4. First aid measures		
4.1.	Description of first aid measures		
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.	



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	Following inhalation:		Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.		
			Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.		
	Following eye contact:		Flush thoroughly with water. If irritation occurs, get medical assistance.		
	Following ingestion:		DO NOT induce vomiting. Seek immediate medical attention.		
	Self-protection of the aider	first	-		
4.2.	Most important sympt	oms a	nd effects, both acute and delayed		
	Following inhalation:	No i	mportant symptoms or effects.		
	Following skin contact:	No important symptoms or effects.			
	Following eye contact:	Noi	mportant symptoms or effects.		
	Following ingestion:	No important symptoms or effects. mediate medical attention and special treatment needed			
4.3.	Indication of any imme				
	If ingested, material appropriately.	may	may be aspirated into the lungs and cause chemical pneumonitis. Treat		

SECTIO	ON 5. Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.			
	Unsuitable extinguishing media: Straight streams of water			
5.2.	Special hazards arising from the substance or mixture			
	Hazardous by products of fire: Smoke, fume, incomplete combustion products, carbon oxides.			
5.3.	Advice for firefighters			
	Evacuate the area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.			
5.4.	Additional information			
	-			

SECTIO	SECTION 6. Accidental release measures		
6.1.	Personal precautions, protective equipment and emergency procedures		



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6.1.1.	For non-emergency personn	el	
	Protective equipment:	See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.	
	Accident prevention method	Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See Section 5 for fire fighting information.	
	Emergency procedures:	See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice.	
6.1.2.	For emergency responders:		
	Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, who applicable, H2S, or self contained breathing apparatus (SCBA) can be used depending on the size of sp and potential level of exposure. If the exposure cannot be completely characterized or an oxyge deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spill full body suit of chemical resistant, antistatic material is recommended.		
6.2.	Environmental precautions:		
	Large Spills: Dyke far ahead sewers, basements or confine	of liquid spill for later recovery and disposal. Prevent entry into waterways, ed areas.	
6.3.	Methods and materials for co	ontainment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Land Spill: Stop leak if you can do so without risk. Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.	
6.3.2.	Cleaning up:	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.	
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112).	
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.		

SECTION 7. Handling and storage		
	7.1.	Precautions for safe handling



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7.1.1.	Protection measures		
	Measures to prevent fire:	Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source).	
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.	
	Measures to protect the environment:	When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or earthing procedures.	
	Other measures:	This material is a static accumulator. A liquid i typically considered a nonconductive, stati accumulator if its conductivity is below 100 pS/n (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if it conductivity is below 10,000 pS/m. Whether liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.	
7.1.2.	Advice on general occupational hygiene:		
	eating, drinking, and/or smoking. Routinely was	such as washing after handling the material and before h work clothing and protective equipment to remove and footwear that cannot be cleaned. Practice good	
7.2.	Conditions for safe storage, including any incompa	atibilities	
	Technical measures and storage conditions:	Keep in a cool and well-ventilated area.	
	Packaging materials:	Teflon, polypropylene, stainless steel, carbon steel.	
	Requirements for storage rooms and vessels:	The type of container used to store the material may affect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release.	
	Advices for storage equipment:	Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded to prevent accumulation of static charge.	
	Further information on storage conditions:	Suitable materials and coating are carbon steel, stainless steel, teflon, polyethylene, polypropylene. Unsuitable materials and coatings: butyl rubber, natural rubber, ethylene-proplyene-diene monomer (EPDM), polystyrene	



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7.3.	Specific end use(s)	
	Recommendations:	Section 1 informs about identified end-uses.
	Industrial sector specific solutions:	-

8.1.	Cont	rol para	meters						
Substance		CAS No		limit valu	Occupational exposure limit values/short term values		Biological limit values		
				ppm	mg/m³				
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics		-		171*	1200*	No information available			
* Source	ce - ma	terial sa	fety dat	a sheet prov	rided by the	e raw materia	als supplier		
Substa	nce:	-							
EC No:		_		CAS No: -					
DNEL									
						Industrial			
Route of exposure:		Route exposi	l Route of e		exposure:	Route of ex	posure:	Route of exposure:	
Oral -		-			-		-		
Inhalat	ion	ion -		-			-		-
Derma	Dermal -		-	-			-		-
Critical	physic	al parar	neters: s	solubility, fla	mmability,	corrosivity:	-		
						Consumer			
Route of exposure: Route exposu			I Route of e		Route of ex	posure:	Route of exposure:		
Oral -			-		-		-		
Inhalation -			-		-		-		
Dermal -		-			-		-		
PNEC									
Environmental protection target				PNEC	PNEC				
Fresh water				No infor	No information available				
Freshwater sediments				No information available					
Marine water				No infor	No information available				
Marine sediments				No infor	No information available				
Food chain				No infor	No information available				



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Microorga	anisms in sewage treatment		No information available		
Soil (agric	cultural)		No information available		
Air			No information available		
8.2.	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related Do no measures to prevent exposure protect		ot eat, drink or smoke in the workspace. Use personal tive 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 t exceeded. Use explosion-proff ventilation equipment.		
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's i 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:		ntact is likely, safety glasses with side shields are mended.		
8.2.2.2.	Skin protection				
	Hand protection:	If prolonged or repeated contact is likely, chemical-resis gloves are recommended. If contact with forearms is likely, v gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness comparable protective barrier material with a high performal level for continuous contact use conditions, permea breakthrough minimum 480 minutes in accordance with 0 standards EN 420 and EN 374.			
	Other skin protection:		olonged or repeated contact is likely, chemical, and oil ant clothing is recommended.		



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8.2.2.3.	Respiratory protection:	If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.
8.2.2.4.	Thermal hazards:	No information available.
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.
	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

SECTI	SECTION 9. Physical and chemical properties						
9.1.	Information on basic physical and chemical properties						
	Value Method						
	Physical state:	liquid	No information available				
	Colour:	colourless	No information available				
	Odour/odour threshold:	faint/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:	188°C - 210 °C	ASTM D86				
	Flammability:	Not technically feasible	No information available				
	Lover and upper explosion limit:	lower: 0.6 upper: 6.0	Extrapolated				
	Flash point:	68 °C	ASTM D-93				



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		· · · · · · · · · · · · · · · · · · ·		
	Auto-ignition temperature:	222 °C		ASTM E659
	Decomposition temperature:	No info	ormation available	No information available
	pH:	Not technically feasible		No information available
	Kinematic viscosity:		t (1.3 mm²/sec) at 40 °C t (1.74 mm²/sec) at 20 °C	Calculated
	Solubility:	Negligi	ble	No information available
	Partition coefficient n- octanol/water (log value):	> 4		Estimated
	Vapour pressure:	0.04 kP	a (0.3 mm Hg) at 20 °C	No information available
	Density and/or relative density	0.76 (at	: 15 °C) with respect to water	Calculated
	Relative vapour density:	5.7 at 1	01 kPa (Air=1)	Calculated
	Particle characteristics:	Mediar	particle size	Not applicable
9.2.	Other information			
	Evaporation rate:	0,04 (n	-butyl acetate = 1)	Calculated
	Explosive properties:	None		No information available
	Oxidising properties:	None		No information available
	Density (at 15 °C):	760 kg	/m³	ISO 12185
	Pour Point:	< -114	°C	ASTM D5950
	Molecular Weight:	165 g/	mol	Calculated
	Hygroscopic:	No		No information available
	Coefficient of Thermal Expansion:	0.0009	8 per Deg C	Calculated
SECTIO	ON 10.: Stability and reactivity			
10.1.	Reactivity:		See sub-section below.	
10.2.	Chemical stability:		The product is stable under n	ormal conditions.
10.3.	Possibility of hazardous reaction	ıs:	Hazardous polymerization wi	ll not occur.
10.4.	Conditions to avoid:		Open flames and high energy	ı ignition sources.
10.5.	Incompatible materials:		Strong oxidisers.	
10.6.	Hazardous decomposition produ	ucts:	Material does not decompose	e at ambient temperatures.

SECTION 11. Toxicological information							
11.1.	1.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008						
	Acute toxicity:						
Route o		Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results	



Oral exposure:

Dermal exposure:

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

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Froduct code.	BCN-X	Date of Co	лпрпацоп.	14 NOVEITIDE	1 2022	V	ersion.	<i>'</i>
Oral:	No information available	rat	LD ₅₀ > 500	0 mg/kg	-		Minimally	y toxic.
Dermal:	No information available	rabbit	LD ₅₀ > 500	0 mg/kg	-		Minimally	y toxic.
Inhalation:	No information available	rat	LC ₅₀ > 500	0 mg/ m ³	8 h		Minimally	y toxic.
Specific ta	arget organ toxicity -	single exposu	ure (STOT-SE):					
	Specifi	c effects		Target orga	n		Note	
Oral:	No information ava	ailable	No i	nformation ava	ailable	-		
Dermal:	No information ava	ailable	No i	nformation ava	ailable	-		
Inhalation:	No information ava	ailable	No i	nformation ava	ailable	-		
Aspiration	n hazard:	for che and deri can	aspiration, a r mical properti also if it is v ived. Risks fro be controlled	vallowed and end on quantifiables (i.e. viscosity omited followed the physical by implement	le hazard y) that ca ing inges ochemica ating risk	deterr n occu tion. A I haza manag	nined by r during in DNEL cards of sul	physic ngestic annot l bstanc neasure
Aspiration	n hazard:	for che and deri can For be i	aspiration, a r mical properti also if it is v ived. Risks fro be controlled substances cl mplemented	non-quantifiables (i.e. viscosity omited followom the physical control of the	e hazard y) that ca ing inges ochemica ating risk 4, the foll aspiration	detern n occu ition. A I hazai manag owing hazaro	mined by r during in DNEL cand a constant of sulfigement massures d. Do not	physicangesticannot labstance neasures ingest.
		for che and deri can For be i	aspiration, a r mical properti also if it is v ived. Risks fro be controlled substances cla mplemented llowed then	non-quantifiables (i.e. viscosity omited follow om the physical by implement assified as H30 to control the a	e hazard y) that ca ing inges ochemica ating risk 4, the foll aspiration	detern n occu ition. A I hazai manag owing hazaro	mined by r during in DNEL cand a constant of sulfigement massures d. Do not	physicangesticannot labstance neasures ingest.
	n hazard: and corrosion Exposure	for che and deri can For be i swa indu	aspiration, a r mical properti also if it is v ived. Risks fro be controlled substances cla mplemented llowed then	non-quantifiables (i.e. viscosity omited follow om the physical by implement assified as H30 to control the a	e hazard y) that ca ing inges ochemica ating risk 4, the foll aspiration	detern n occu tion. A l hazar manag owing hazard cal att	mined by r during in DNEL cards of sul gement m measures d. Do not tention.	physicongesticonnot la bstance neasure ingest.
	and corrosion Exposure	for che and deri can For be i swa indu	aspiration, a r mical properti also if it is v ived. Risks fro be controlled substances clamplemented Illowed then uce vomiting.	non-quantifiables (i.e. viscosity comited follow om the physical by implement assified as H30 to control the asseek immedia	e hazard y) that ca ing inges ochemica ating risk 4, the foll aspiration ate medi	detern n occu tion. A l hazar manag owing hazard cal att	mined by r during in DNEL cards of sul gement m measures d. Do not tention.	physicongesticonnot la bstanconeasure ineed ingest.
Irritation a	and corrosion Exposure	for che and deri can For be i swa indu	aspiration, a r mical properti also if it is v ived. Risks fro be controlled substances clamplemented llowed then uce vomiting.	non-quantifiables (i.e. viscosity omited follow om the physical by implement assified as H30 to control the asseek immediate immediate to control the Not	e hazard y) that ca ing inges ochemica ating risk 4, the foll aspiration ate medi	detern n occu tion. A l hazar manag owing hazard cal att	mined by r during in DNEL cards of sul gement m measures d. Do not tention.	physicongesticonnot la bstanconeasure ineed ingest.
Irritation a Skin corrosion/irritation Serious eye	and corrosion Exposure No information No information	for che and deri can For be i swa indu	aspiration, a r mical properti also if it is v ived. Risks fro be controlled substances clamplemented llowed then uce vomiting.	es (i.e. viscosity omited follow om the physical by implement assified as H30 to control the asseek immediate irritating. Not	e hazard y) that ca ing inges ochemica ating risk 4, the foll aspiration ate medi	detern n occu tion. A l hazar manag owing hazard cal att	mined by r during in DNEL cards of sul gement m measures d. Do not tention.	physicongesticonnot I bstanconeasure neasure need ingest. Do NC
Skin corrosion/irritation Serious eye damage/irritation	and corrosion Exposure No information No information	for che and deri can For be i swa indu	aspiration, a r mical properti also if it is v ived. Risks fro be controlled substances clamplemented Illowed then uce vomiting.	es (i.e. viscosity omited follow om the physical by implement assified as H30 to control the asseek immediate irritating. Not	e hazard y) that ca ing inges ochemica ating risk 4, the foll aspiration ate medi	detern n occu tion. A l hazar manag owing hazard cal att	mined by r during in DNEL cards of sul gement m measures d. Do not tention.	physicongesticonnot la bstanconeasure ineed ingest.

May be fatal if swallowed and enters airways.

May dry the skin leading to discomfort and dermatitis.



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Inhalation exposure:	Negligible hazard at ambient/normal handling temperatures.					
Eye exposure:	May cause m	ild, short-lasting	g discomfort to	eyes.		
Repeate	ed dose toxicity (s		ronic, 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	-
**						
Specific	target organ toxi	city - repeated	exposure (STOT	-RE):	:	
		Specific	c effects	Target	organ	Note
Subacute oral	٦	No information	available	No available	information	-
Subacute dermal	1	No information available		No available	information	-



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		······		.,			
Subacut	te inhalation	No information ava	No information available		information	-	
Subchro	onic oral	No information ava	ilable	No available	information	-	
Subchro	onic dermal	No information ava	ilable	No available	information	-	
Subchro	onic inhalation	No information available	ilable	No available	information	-	
Chronic	oral	No information available	ilable	No available	information	-	
Chronic	dermal	No information ava	ilable	No available	information	-	
Chronic	inhalation	No information available	ilable	No available	information	_	
	CMR effects (carcinog	enicity; mutagenicity; ı	reproductive to	oxicity)			
	Carcinogenicity:		Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453.				
	Mutagenicity in-vitro:		No information available				
	Genotoxicity:		No information available				
	Mutagenicity in-vivo:		No information available				
	Germ cell mutagenicit	y:	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 471 473 474 476 478 479.				
	Reproductive toxicity:		Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 413 414 415.				
	Summary of evalua properties:	ation of the CMR	No informati	on available			
11.2.	Information on other I	hazards:					
11.2.1.	Endocrine disrupting p	properties:					
	No known endocrine of that affect human hea						
11.2.2.	Other informations:						



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Vapour concentration above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anasthetic may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

12.1. Toxicity						
Acute (short-term toxicity	Dose	Exposur time	e Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	Oncorhynchus mykiss	No information available	-	1000 mg/l
Crustacea:	EC ₅₀	48 hours	Daphnia magna	No information available	-	1000 mg/l
Algae/aquatic plants:	IC ₅₀	72 hours	Pseudokirchne riella subcapitata	No information available	-	1000 mg/l
Other organisms:	-	-	-	-	-	-
Chronic (long- term) toxicity	Dose	Exposur time	e Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	No information available	No information available	-	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	_	-
Algae/aquatic plants:	IC ₅₀	72 hours	No information available	No information available	-	-
Other organisms:	-	21 day(s)	Daphnia magna	-	-	NOELR 1 mg/l
12.2. Persisten	ce and degradal	oility				
Abiotic d	egradation				,	
	Degradation h	alf-lives	Method	Evaluation	1	Note
Marine water	No information a	nvailable	No information available	No information - available		



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Trade name:					BIOCL	EAR	NEW			
Product code:	BCN-	BCN-X**		ate of co	mpilation:	14 1	Novembei	r 2022	Versi	on: 7
Fresh water	No inforn	nation av	ailable	No info	ormation ble	No ir	nformation able		_	
Air	No inforn	nation av	ailable	No info	ormation ble	No ir	nformation able		-	
Soil	No inforn	nation av	ailable	No info	ormation ble	No ir availa	nformation able		_	
Biodeo	gradation									
% Degradation		ne (days)		М	ethod		Evaluatio	n		Vote
Percent Degraded 31.3 similar material		(s)	E	Ready Biodegrad water)	dability		informatio	on	Expected inherently biodegrac	
	umulative pol-water pa		officient	(log Kow	v)					
Value	Concentra		рН	°C	Method		Evalua	ation		Note
> 4	No inform available	o information _		- Estimated		No information available		nation	No information available	
	ncentration									
Value	NI - :- (Species		Method		Evaluation		Note		
No information available	No int availal	ormation ole		No information available		No information available		No information available		
Chron	ic ecotoxicit	ty								
Chron		Dose		osure	Species		Method	Eva	luation	Note
<u> </u>	9		No ti	ime nation	Species No information available	No n inf			ormation	Note Not expected.



Soil-Air

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crustacea (Daphnia) info		:	BIOCLEAR NEW								
		BCN	-X**	Date of compila		tion:	ion: 14 November 202		Versio	on: 7	
		nformation vailable			information available	available	<u></u>	expected.			
12.4.	Mol	nility in	soil								
12.7.	Mobility in soil Known or predicted distribution				n in environm	nental d	compart	ments:			
		ace ten	ision:	0.6				NA di l			
		Value		°C	Concentr	Concentration		Method		Note	
	No information available		1	lo informatio vailable	n No inform available			No information available		Highly volatile, will partition rapidly to ail Not expected to partito sediment and wastewater solids.	
	Ads	orption	/ des	sorption							
Transp	A/D coefficient Henry's constant		lo	log Kow		Evaporation rate	Met	hod	Note		
		forma	tion available	No available	infor	mation	No information available	No infor available		-	
Water-	-Air No information available		No available			No information available	No infor available		-		

12.5. Results of PBT and vPvB assessment Material does not meet the Reach Annex XIII criteria for PBT or vPvB. 12.6. Endocrine disrupting properties No known endocrine disrupting properties that affect the environment. 12.7. Other adverse effects No adverse effects are expected.

information

No

available

No information available

No

information

available

No information

available



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

amended by Regulation (EU) No. 2020/878

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Trade name:	BIOCLEAR NEW					
Product code:	BCN-X**	Date of compilation:	14 November 2022	Version: 7		

SECTIO	N 13. Disposal consideratio	ns				
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. 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.					
13.1.2.	Waste codes/waste design	nations according to Law:				
	The European Waste Catalogue (EWC) code is specific to the waste generating process and waste constituents. Determine the EWC according to the criteria provided in the European Waste Catalogue and the hazardous waste list established by Commission Decision 2000/532/EC, as amended.					
13.1.3.	Waste treatment – relevar					
	Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.					
13.1.4.	Sewage disposal – relevant information:					
	Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.					
13.1.5.	Other disposal recommen					
	Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.					
13.1.6.	Relevant Community provisions:					
	-					
SECTIO	N 14. Transport informatio	n				
	Transporting/shipment by r	oad (ADR)				
UN num	ber:	Not subject to transport regulations.				
UN prop	er shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing	aronb.	_				



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Trade name:		BIOCLEAR NEW						
Product code: B	BCN-X**	Date of compilation:	14 November 2022	Version:	7			
Environmental hazard	C·							
Special precautions fo								
	/shipment by rail (R	ND)						
UN number:	/silipilient by fall (N		ert rogulations					
		Not subject to transpo	ort regulations.					
UN proper shipping n		-						
Transport hazard class	3(es):	-						
Packing group:		-						
Environmental hazard		-						
Special precautions fo		-						
	/shipment by inland							
UN number:		Not subject to transpo	ort regulations.					
UN proper shipping n	ame:	-						
Transport hazard class	s(es):	-						
Packing group:		-						
Environmental hazard	S:	-						
Special precautions fo	r user:	-						
Transporting,	/shipment by sea (I	MDG)						
UN number:		Not subject to transport regulations.						
UN proper shipping n	ame:	-						
Transport hazard class	s(es):	-						
Packing group:		-						
Environmental hazards:		-						
Special precautions fo	or user:	-						
Transport in bulk according MARPOL73/78 and								
Transporting,	/shipment by air (IC	CAO-TI/IATA-DGR)						
UN number:		Not subject to transpo	ort regulations.					

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

SECTION 15. Regulatory information

Further information:



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Trade name:	BIOCLEAR NEW				
Product code:	BCN-X**	Date of compilation:	14 November 2022	Version:	7

15.1.	Safety, nearth and enviror	nmental regulations/legislation specific for the substance or mixture					
	EU regulations						
	Authorisations and/or res	trictions on use					
	Authorisations:	-					
	Restrictions:	-					
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council or 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 or 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 en					

SECTIO	SECTION 16. Other information							
16.1.	Indication of changes:	Composition: Component Table for REACH information was modified. Section 09 median particle size information was added. Section 09: Freezing Point °C(°F) information was deleted. Section 09: Melting Point °C (F) information was deleted. Section 11 EU Annex II Endocrine Disruptor Data information was added. Section 12 EU Annex II Endocrine Disruptor Data information was added. Section 2 EU Annex II Endocrine Disruptor Data information was added. Section 9 melting and freezing points information was added.						



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Trade name:	BIOCLEAR NEW				
Product code:	BCN-X**	Date of compilation:	14 November 2022	Version: 7	

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 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classifi	cation	Classification procedure		
_		-		
16.5.	Relevant H statements (num	ber and full text)		
	H: 304	May be fatal if swallowed and enters airways.		
	(EUH066)	Repeated exposure may cause skin dryness or cracking.		
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



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Trade name:	BIOMOUNT NEW LOW				
Product code:	BMNL-X**	Date of compilation:	14 November 2022	Version: 4	

SECTI	ON 1: Identification of	the su	ıbstance/mixture a	nd of the company/undertaking		
1.1.	Product identifier					
	Trade name:	BIO	MOUNT NEW LOW			
	Chemical name:	-				
	Catalogue number:	ВМ	NL-X**			
1.2.	Relevant identified uses of the substance or mixture and uses advised against			ture and uses advised against		
	Uses:		For covering micro	scope sections and mounting covering glasses.		
	Uses advised against:		Only the identified	uses are advised.		
	Reason why uses advi	sed	registered at the A	nded for use only as an <i>in vitro</i> diagnostic medical device, gency for Medicinal Products and Medical Devices and to use it for other purposes.		
1.3.	Details of the supplier	of the	e safety data sheet			
	Supplier:		BioGnost Ltd.	BioGnost Ltd.		
	Address:		Medjugorska !	59, Zagreb		
	Telephone number:		+385 1 24099	+385 1 2409997		
	Telefax:		+385 1 24040	+385 1 2404039		
	e-mail of competent p	ersor	n: <u>msds@biognc</u>	msds@biognost.hr		
	National contact:		-	-		
1.4.	Emergency telephone	Emergency telephone numbers				
	National Protection ar	nd Res	scue Directorate:	112		
	Medical information: Other information:			+385 1 2348 342		
				-		

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Re	egulation (EC) No 12	72/2008 (CLP)		
	Hazard class and cat	egory code:	Warning statements*:		
	Aspir. Tox. 1		H304		
2.1.2.	Additional information				
	EUH066				
* For fu	ull text of Hazard- and EU Haza	rd-statements: see S	ECTION 16		
2.2.	Label elements	Label elements			
	Product identification: BIOMOUNT NEW LOW				
	Identification number:	-			
	Authorisation number:	-			



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Trade name:	BIOMOUNT NEW LOW				
Product code:	BMNL-X**	Date of compilation:	14 November 2022	Version: 4	

	Hazard pictograms:	GHS08		
	Signal word:	Danger		
	Hazard statement:	H304 May be fatal if swallowed and enters airways. EUH066 Repeated exposure may cause skin dryness or cracking.		
	Precautionary statements:	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents and container in accordance with local regulations.		
	Supplemetal hazard information (EU):	-		
2.3.	Other hazards			
	Environmental Hazards: No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII. Endocrine Disrupting Properties: No known endocrine disrupting properties.			

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)		
- 920-901-0 -	01-2119456810-40	60 – 80 %	Hydrocarbons, C11- C13, isoalkanes, <2% aromatics	Aspir. tox. 1; H304 EUH066		

SECTION	SECTION 4. First aid measures				
4.1.	Description of first aid me	Description of first aid measures			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.			



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Trade name:	BIOMOUNT NEW LOW			
Product code:	BMNL-X**	Date of compilation:	14 November 2022	Version: 4

1	····			
	Following skin contact:	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.		
	Following eye contact:	Flush thoroughly with water. If irritation occurs, get medical assistance.		
	Following ingestion:	DO NOT induce vomiting. Seek immediate medical attention.		
	Self-protection of the faider	irst _		
4.2.	Most important sympto	oms and effects, both acute and delayed		
	Following inhalation:	No important symptoms or effects.		
	Following skin contact:	No important symptoms or effects.		
	Following eye contact:	No important symptoms or effects.		
	Following ingestion:	No important symptoms or effects.		
4.3.	Indication of any imme	ediate medical attention and special treatment needed		
	If ingested, material appropriately.	aterial may be aspirated into the lungs and cause chemical pneumonitis. Treat		

SECTIO	ECTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.			
	Unsuitable extinguishing media:	Straight streams of water			
5.2.	Special hazards arising from the substance or mixture				
	Hazardous by products of fire: Si	moke, fume, incomplete combustion products, carbon oxides.			
5.3.	Advice for firefighters				
	Evacuate the area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.				
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						



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Trade name:	BIOMOUNT NEW LOW						
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	Protective equipment:	See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.			
	Accident prevention method	Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See Section 5 for fire fighting information.			
	Emergency procedures:	See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice.			
6.1.2.	For emergency responders:				
	Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, whe applicable, H2S, or self contained breathing apparatus (SCBA) can be used depending on the size of spi and potential level of exposure. If the exposure cannot be completely characterized or an oxyge deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes of contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills full body suit of chemical resistant, antistatic material is recommended.				
6.2.	Environmental precautions:				
	Large Spills: Dyke far ahead sewers, basements or confir	d of liquid spill for later recovery and disposal. Prevent entry into waterways, ned areas.			
6.3.	Methods and materials for containment and cleaning up				
i —		Land Spill: Stop leak if you can do so without risk. Water Spill: Stop leak if you can do so without risk. Confine the spi immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before			
6.3.1.	Bunding, covering of drains; capping procedures:				
6.3.1.	drains; capping	Land Spill: Stop leak if you can do so without risk. Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before			
	drains; capping procedures:	Land Spill: Stop leak if you can do so without risk. Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Absorb or cover with dry earth, sand or other non-combustible material and			
6.3.2.	drains; capping procedures: Cleaning up:	Land Spill: Stop leak if you can do so without risk. Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent. Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and			

SECTION 7. Handling and storage						
7.1.	Precautions for safe handling					
7.1.1.	Protection measures					



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Trade name:	BIOMOUNT NEW LOW						
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	Measures to prevent fire:	Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source).		
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.		
	Measures to protect the environment:	When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or earthing procedures.		
	Other measures:	This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.		
7.1.2.	Advice on general occupational hygiene:			
	eating, drinking, and/or smoking. Routinely was	such as washing after handling the material and before h work clothing and protective equipment to remove and footwear that cannot be cleaned. Practice good		
7.2.	Conditions for safe storage, including any incomp	atibilities		
	Technical measures and storage conditions:	Keep in a cool and well-ventilated area.		
	Packaging materials:	Teflon, polypropylene, stainless steel, carbon steel.		
	Requirements for storage rooms and vessels:	The type of container used to store the material may affect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release.		
	Advices for storage equipment:	Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded to prevent accumulation of static charge.		
	Further information on storage conditions:	Suitable materials and coating are carbon steel, stainless steel, teflon, polyethylene, polypropylene. Unsuitable materials and coatings: butyl rubber, natural rubber, ethylene-proplyene-diene monomer (EPDM), polystyrene		
7.3.	Specific end use(s)			



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Recommendations:	Section 1 informs about identified end-uses.
Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection								
8.1. Conti	8.1. Control parameters							
Substance		CAS No		Occupational exposure limit values/short term values		Biological limit values		
					ppm	mg/m³		
Hydrocarbons isoalkanes, <2			-		171*	1200*	No information available	
* Source - mat	terial sa	ifety dat	a sheet provi	ded by the	raw materia	ls supplier		
Substance:	-							
EC No:	-		CAS No:	-				
DNEL								
				lı	ndustrial	1		,
Route of expo	sure:	Route exposu		Route of e	xposure:	Route of ex	posure:	Route of exposure:
Oral		-		-		-		-
Inhalation		-		-		-		-
Dermal		-		-				-
Critical physical	al parar	neters: s	olubility, flan	nmability, co	orrosivity:	-		
		T		C	onsumer			
Route of expo	sure:	Route exposu		Route of e		Route of ex	posure:	Route of exposure:
Oral		-		-		-		-
Inhalation		-		-		-		-
Dermal		-		-		-		-
PNEC								
Environmental protection target				PNEC				
Fresh water				No information available				
Freshwater sediments				No information available				
Marine water				No inform	nation available)		
Marine sediments				No information available				
Food chain					No information available			
Microorganisn	ns in se	wage tr	eatment		No information available			



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Soil (agric	cultural)	No information available			
Air		No information available			
8.2.	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measures to prevent exposure during identified uses:	Do not eat, drink or smoke in the workspace. Use personal protective equipment. Wash hands after handling the product and before eating and/or drinking.			
	Structural measures to prevent exposure:	Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proff 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:	If contact is likely, safety glasses with side shields are recommended.			
8.2.2.2.	Skin protection				
Hand protection:		If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.			
	Other skin protection:	If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.			
8.2.2.3.	Respiratory protection:	If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.			



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8.2.2.4.	Thermal hazards:	No information available.
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.
	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 ar	nd chemical properties	
	Value	Method
Physical state:	liquid	No information available
Colour:	colourless	No information available
Odour/odour threshold:	no odour/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:	188°C - 210 °C	ASTM D86
Flammability:	No information available	No information available
Lover and upper explosion limit:	No information available	No information available
Flash point:	62 °C	ASTM D-93
Auto-ignition temperature:	222 °C	ASTM E659
Decomposition temperature:	No information available	No information available
pH:	Not technically feasible	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	Negligible	No information available
Partition coefficient noctanol/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



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Trade name:	BIOMOUNT NEW LOW			
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	-	
SECTIO	ON 10.: Stability and reactivity	
10.1.	Reactivity:	No information available
10.2.	Chemical stability:	The product is stable under normal conditions.
10.3.	Possibility of hazardous reactions:	Hazardous polymerization will not occur.
10.4.	Conditions to avoid:	Open flames and high energy ignition sources.
10.5.	Incompatible materials:	Strong oxidants.
10.6.	Hazardous decomposition products:	Material does not decompose at ambient temperatures.

11.1.	Informati	on on hazard classes a	as defined in I	Regulation (EC) No 1272/200	08	
	Acute to	kicity:				
Route of exposure:		Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral:		No information available	rat	LD ₅₀ > 5000 mg/kg	-	Minimally toxic
Dermal	al: No information available rabbit $LD_{50} > 5000 \text{ mg/kg}$ -		-	Minimally toxic		
Inhalation:		No information available	rat	$LC_{50} > 5000 \text{ mg/ m}^3$	8 h	Minimally toxic
	Specific t	arget organ toxicity -				Note
		Specific effects		Target orga	Target organ	
Oral:		No information available		No information ava	No information available -	
Dermal	:	No information available		No information ava	No information available -	
Inhalation: No information available			ماطدان	No information available -		

	Aspiration hazard: Fig. 12 Contact the second sec	May be fatal if swallowed and enters airways relates to potential for aspiration, a non-quantifiable hazard determined by physicochemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting.
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Trade name:	BIOMOUNT NEW LOW				
Product code:	BMNL-X**	Date of compilation:	14 November 2022	Version:	4

Troduct code.	DIVIINL-X	Date Of	compliation.	14 Novembe	I LULL VE	2131011. 4
Irritatio	n and corrosion					
mitation		osure time	Species	Evaluation	Method	Note
Skin corrosion/irritation	No inform	No information available		Not irritating.	-	-
Serious eye damage/irritation	No informa	ation available	-	Not irritating.	-	-
Sensitiz	ation					
Skin sensitization		ed to be a skin	sensitizer.			
Respiratory sensitization:	•		iratory sensitize	r.		
Sympto	ms related to the p	ohysical, chemi	cal and toxicolog	gical characteris	tics	
Oral exposure:	May be fatal if	swallowed an	d enters airways	•		
Dermal exposure	e: May dry the sl	kin leading to d	discomfort and c	dermatitis.		
Inhalation exposure:	Negligible haz	ard at ambien	t/normal handlir	ng temperatures	•	
Eye exposure: May cause mild, short-lasting discomfort to eyes.						
Repeate	ed dose toxicity (su	bacute, subchi	ronic, 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	No information	No information	No information	No information	No information	-

available

available

inhalation

available

available

available



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Trade name:		BIOMOUI	NT NEW LOW	
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Troduct code. Divine-A Date of co		compliation.	14 NOVEITIBE	1 2022	version. 4		
Chronic oral	No informatic available	No information available	No information available	No information available	No information available	n -	
Chronic dermal	No information	No information available	No information available	No information available	No information available	n -	
Chronic inhalation	No information available No information available		No information available	No information available	No information available	n -	
Coocific	torget ergen to	visitus repeated s	OVER SUMME (STOT	DE).			
Specific	target organ to	xicity - repeated e			0.400.0	Nicto	
		Specific		Target No	organ information	Note	
Subacute oral		No information a	available	available	mormation	-	
Subacute derma	I	No information a	available	No available	information	-	
Subacute inhalat	ion	No information available		No available	information	-	
Subchronic oral		No information available		No available	information	-	
Subchronic derm	nal	No information a	available	No available	information	-	
Subchronic inhal	ation	No information a	available	No available	information	_	
Chronic oral		No information a	o information available		information	_	
Chronic dermal		No information available		No available	information	_	
Chronic inhalation		No information available		No available	information	-	
CMD of	Gt- /i			4		,	
	CMR effects (carcinogenicity; mutagenicity; Carcinogenicity:		Not expec structurally	Not expected to cause cancer. Based on test data structurally similar materials. Test(s) equivalent or similar OECD Guideline 453.			
Mutagenicity in-vitro:			No information available				
Genotoxicity:			No information available				
	enicity <i>in-vivo</i> :		No informa	ntion available			
	ell mutagenicity:		for structur	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 471 473 474 476 478 479.			



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	Reproductive toxicity:	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 413 414 415.		
	Summary of evaluation of the CMR properties:	No information available		
11.2.	Information on other hazards:			
11.2.1.	Endocrine disrupting properties:			
	No known endocrine disrupting properties that affect human health.			
11.2.2.	Other informations:			
	Vapour concentration above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anasthetic may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.			

SECTION 12. Ecolog	gical informat	ion				
12.1. Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	Oncorhynchus mykiss	No information available	-	1000 mg/l
Crustacea:	EC ₅₀	48 hours	Daphnia magna	No information available	-	1000 mg/l
Algae/aquatic plants:	IC ₅₀	72 hours	Pseudokirchne riella subcapitata	No information available	-	1000 mg/l
Other organisms:	-	-	-	-	-	-
Chronic (long- term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	No information available	No information available	-	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-



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Trade name:				BIOMOUI	NT NEW LOW			
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Algae/aquatic plants:	IC ₅₀	72 hou	ırs	No information available	No information available	-	-	
Other organism	ns: -	21 day	(s)	Daphnia magna	-	-	NOE	LR 1 mg/
12.2. Persist	ence and degradab	oility						
Abiotio	degradation							
	Degradation ha	alf-lives		Method	Evaluatio	n	Not	е
Marine water	No information a	vailable		information ilable	No informatior available	-	•	
Fresh water	No information a	vailable	ava	information ilable	No information available	-	-	
Air	No information a	vailable		information ilable	No information available	1 -	•	
Soil	No information a	vailable		information ilable	No information available		-	
Biode	gradation							
% Degradation	Time (days	5)		Method	Evaluatio	on	Not	е
Percent Degraded 31.3 similar material	Degraded 31.3 :		Ready Biodegradability (water)		No information available		Expected to be inherently biodegradable	
12.3. Bioacc	umulative potentia	l						
Octan	ol-water partition c	oefficient	(log K	(ow)	:		:	
Value	Concentration	рН	°C	Method	Evalu	ation	No	ote
> 4	No information available	-	-	Estimated	No inforr available	nation	No informavailable	ation
D:	ncentration Factor (BCF)						
Blocor	icentiation ractor (DCI)						



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amended by Regulation (EU) No. 2020/878

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Trade nai	e name: BIOMOUNT NEW LOV				T NEW LOW					
Product o	code: I	3MNL-X**	Da	ate of co	mpilat	ion:	14 November	r 2022	Versio	on: 4
No inform available		No information available		No info		n	No information	on	No inforr available	mation
;										
C	hronic eco	toxicity	1				1	1		
	Value	Dose		osure ime	Spe	ecies	Method	Eva	aluation	Note
Chronic to	xicity on fis	sh LC ₅₀	No inforr availa	mation Ible	No inforr availa	nation ble	No information available	No inta	formation ble	Not expected.
Chronic to crustacea	-	EC ₅₀	No inforr availa	mation Ible	No inforr availa	nation ble	No information available	No in availa	formation ble	Not expected.
S	urface tens	ion:								
	Value	°C		Concentr	ation		Method		N	ote
ir	No information available No information available					-	o information Prailable to		Highly volatile, will partition rapidly to air. Not expected to partitior to sediment and wastewater solids.	
А	dsorption ,	desorption								
Transport		/D coefficient enry's constant		lo	g Kow		Evaporation rate	N	1ethod	Note
Soil-Wate	r No info	ormation availal		No available	infor	mation	No information available	No in	formation ble	-
Water-Air No information available		പ	No information available		No information	No in	formation	_		



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			No				
Soil-Air	No information available	No information available	information available	No information available	-		
12.5.	Results of PBT and vPvB assessn	nent					
	Material does not meet the Read	ch Annex XIII criteria for PB	T or vPvB.				
12.6.	Endocrine disrupting properties						
	No known endocrine disrupting	properties that affect the e	environment.				
12.7.	Other adverse effects						
	No adverse effects are expected						
SECTION	N 13. Disposal considerations						
13.1.	Waste treatment methods						
10.1.1							
13.1.1.	Product/Packaging disposal:	la mali in a mana na manda a siana di Ita	the NAintinto	f. F i	al and Nations		
	Submit for disposal to the I Protection. Do not dispose of collectors authorized by the system.	the product's remains into	the sewage sy	/stem. Submit the I	remains to the		
13.1.2.	Waste codes/waste designation	ons according to Law:					
	The European Waste Catalogue (EWC) code is specific to the waste generating process and waste constituents. Determine the EWC according to the criteria provided in the European Waste Catalogue and the hazardous waste list established by Commission Decision 2000/532/EC, as amended.						
13.1.3.	Waste treatment – relevant inf	formation:					
	Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.						
13.1.4.	Sawaga disposal relevant inf	formation:					
13.1.4.	Sewage disposal – relevant inf		hurner for fue	I value or disposal	hy supervised		
	· :	Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.					



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	Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE,				
	SOLDER, DRILL, GRIND, OR	EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC CES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.			
13.1.6.	Relevant Community provision	s:			
	-				
SECTION	14. Transport information				
Т	ransporting/shipment by road ((ADR)			
UN numb	er:	Not subject to transport regulations.			
UN prope	r shipping name:	-			
Transport	hazard class(es):	-			
Packing g	roup:	-			
Environme	ental hazards:	-			
Special pr	ecautions for user:	-			
Т	ransporting/shipment by rail (R	ID)			
UN numb	er:	Not subject to transport regulations.			
UN prope	r shipping name:	-			
Transport	hazard class(es):	-			
Packing g	roup:	-			
Environme	ental hazards:	-			
Special pr	ecautions for user:	_			
Т	ransporting/shipment by inland	waterways (ADN)			
UN numb	er:	Not subject to transport regulations.			
UN prope	r shipping name:	-			
Transport	hazard class(es):	-			
Packing g	roup:	-			
Environme	ental hazards:	-			
Special pr	ecautions for user:	-			
Т	ransporting/shipment by sea (II	MDG)			
UN numb	er:	Not subject to transport regulations.			
UN prope	r shipping name:	-			
Transport	hazard class(es):	-			
Packing g	roup:	-			



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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: -	

15.1. Safety, health and env	ironmental regulations/legislation specific for the substance or mixture
EU regulations	
Authorisations and/or	restrictions on use
Authorisations:	-
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 Apri 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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	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		
	-		

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		Classification procedure
_		-
16.5.	Relevant H statements (num	ber and full text)
	H: 304	May be fatal if swallowed and enters airways.
	(EUH066)	Repeated exposure may cause skin dryness or cracking.
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