

# KIT FOR RAPID HE STAINING OF FROZEN AND PARAFFIN-EMBEDDED SECTIONS

The kit contains:

BioClear New BioFix Histanol 100 Histanol 95 Deionized water Hematoxylin G2 Bluing reagent Eosin Y 2% alcoholic BioMount New Low



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

1.1.	Product identifier					
	Trade name:	BIO	BIOCLEAR NEW			
	Chemical name:	-	-			
	Catalogue number:	BCN	1-X**			
1.2.	Relevant identified use	es of t	he substance or mix	ture and uses advised against		
	Uses:		Xylene substitute u	ised as clearing agent.		
	Uses advised against:		Only the identified	uses are advised.		
	Reason why uses advised re-		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3.	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax:		+385 1 2404039			
	e-mail of competent p	erson	: <u>msds@biognc</u>	msds@biognost.hr		
	National contact:		-	-		
1.4.	Emergency telephone	Emergency telephone numbers				
	National Protection an	d Res	cue Directorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	N 2. Hazards identification				
2.1.	Classification of the substance or	r mixture			
2.1.1.	Classification according to Regul	ation (EC) No 127	/2/2008 (CLP)		
	Hazard class and catego	ry code:	Warning statements*:		
	Aspir. Tox. 1	H304			
2.1.2.	Additional information				
	EUH066				
* For fu	ll text of Hazard- and EU Hazard-s	tatements: see SE	CTION 16		
2.2.	Label elements				
	Product identification: BIOCLEAR NEW				
	Identification number: -				
	Authorisation number:	-			



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	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:	<ul> <li>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.</li> <li>P331 Do NOT induce vomiting.</li> <li>P405 Store locked up.</li> <li>P501 Dispose of contents and container in accordance with local regulations.</li> </ul>			
	Supplemetal hazard information (EU):	-			
2.3.	Other hazards				
	Physical / Chemical Hazards:				
		arges which may cause an ignition. Material can release vapours that readily form mulation 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:			
	No known endocrine disrupting p	roperties.			

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.			
	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 first aider		-			
4.2.	Most important sympto	oms ar	nd effects, both acute and delayed			
	Following inhalation:	No ir	nportant symptoms or effects.			
	Following skin contact:	No ir	nportant symptoms or effects.			
	Following eye contact:	No important symptoms or effects.				
	Following ingestion:	No ir	No important symptoms or effects.			
4.3.	Indication of any imme	diate i	diate medical attention and special treatment needed			
	lf ingested, material appropriately.	al may be aspirated into the lungs and cause chemical pneumonitis. Treat				

SECTIO	SECTION 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: Sr	noke, 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				
	-				

SECTI	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.	2. For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, wher applicable, H2S, or self contained breathing apparatus (SCBA) can be used depending on the size of spil and potential level of exposure. If the exposure cannot be completely characterized or an oxyger 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 o 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 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 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 incompatibilities					
	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:	-

SECTION 8. Exposur	SECTION 8. Exposure controls/personal protection							
8.1. Control para	meters							
Substance		CAS No		Occupational exposure limit values/short term values		Bic	Biological limit values	
				ppm	mg/m³			
Hydrocarbons, C11-C isoalkanes, <2% arom		-		171*	1200*	No i	nformation available	
* Source - material safety data sheet provided by			ded by the r	aw materials	supplier			
Substance: -		1			1			
EC No: -		CAS No:	-					
DNEL	DNEL							
Industrial								
Route of exposure:	Route exposu		Route of exposure:		Route of e	xposure:	Route of exposure:	
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-		-		-		-	
Critical physical parar	neters: s	solubility, flar	nmability, co	nmability, corrosivity:				
			C	onsumer				
Route of exposure:	Route exposi		Route of exposure:		Route of e	xposure:	Route of exposure:	
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-		-		-		-	
PNEC								
Environmental protec	tion tar	get		PNEC				
Fresh water			No information available					
Freshwater sediments			No information available					
Marine water				No information available				
Marine sediments				No information available				
Food chain				No information available				



## **BIOGNOST**<sup>®</sup> SAFE IT DATA SITED According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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Microorg	anisms in sewage treatment		No information available		
Soil (agrio	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 pers protective equipment. Wash hands after handling the product before eating and/or drinking.			
	Structural measures to prevent exposure:	Adequate ventilation should be provided so that exposure lim 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:	revent See Section 7.2			
8.2.2.	Personal protection equipment:				
8.2.2.1.	Eye and face protection:		tact is likely, safety glasses with side shields are nended.		
8.2.2.2.	Skin protection				
	Hand protection:	If prolonged or repeated contact is likely, chemical-resist gloves are recommended. If contact with forearms is likely, w gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness comparable protective barrier material with a high performan level for continuous contact use conditions, permeat breakthrough minimum 480 minutes in accordance with C standards EN 420 and EN 374.			
	Other skin protection:	If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.			



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8.2.2.3. Respiratory protection:			<ul> <li>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:</li> <li>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.</li> <li>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.</li> </ul>					
8.2.2.4.	Therm	nal hazards:		No information	available.			
8.2.3.	Enviro	nmental exposure o	controls					
		ance/mixture relate ures to prevent expo	d osure: a	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.				
	Struct expos	ural measures to pr ure:	revent l	Use modern equipment.				
	0	iisational measures nt exposure:		Adapt the work pr vorkplace.	rocess to the required wor	rking conditio	ons of the	
	Techn expos	ical measures to pro ure:	event	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	rmation available	No information available					
	pH:	Not teo	hnically 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	/m <sup>3</sup>	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					
SECTI	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	IS:	Hazardous polymerization wi						
10.4.	Conditions to avoid:		Open flames and high energy ignition sources.						
10.5.	Incompatible materials:		Strong oxidisers.						
10.6.	Hazardous decomposition prod	ucts:	Material does not decompose	e at ambient temperatures.					

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



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Oral:	No information available	rat LD <sub>50</sub> >		00 mg/kg	-		Minima	ally toxic.	
Dermal:	No information available	rabbit	LD <sub>50</sub> > 50	00 mg/kg	-		Minima	ally toxic.	
Inhalation:	No information available	rat	LC <sub>50</sub> > 50	00 mg/ m <sup>3</sup>	8 h		Minima	ally toxic.	
Specific	target organ toxicity -	single exposi	ure (STOT-SE)	:					
		c effects		Target orga	n		Not	e	
Oral:	No information ava	ailable	No	information ava		-			
Dermal:	No information ava	ailable	No	information ava	ailable	-			
Inhalation:	No information ava	ailable	No	information ava	ailable	-			
Aspiratio	on hazard:	der can For	ived. Risks fr be controlle substances c	vomited follow om the physic d by implemer lassified as H30	ochemica iting risk 4, the foll	l hazar manag owing i	ds of s ement measur	substance measures es need to	
Aspiratio	on hazard:	der can For be i swa	ived. Risks fr be controlle substances c implemented	om the physic d by implemer	ochemica nting risk 4, the foll aspiration	l hazar manag owing i hazard	ds of s ement measur l. Do no	substance measures es need to ot ingest.	
	on hazard:	der can For be i swa	ived. Risks fr be controlle substances c implemented illowed then	om the physic d by implemer lassified as H30 to control the a seek immedia	ochemica nting risk 4, the foll aspiration	l hazar manag owing i hazard	ds of s ement measur l. Do no	substance measures es need to ot ingest.	
Irritation		der can For be i swa ind	ived. Risks fr be controlle substances c implemented illowed then	om the physic d by implemer lassified as H30 to control the a seek immedia Evaluation	ochemica nting risk 4, the foll aspiration	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measures es need to ot ingest.	
Irritation	and corrosion Exposure	der can For be i swa inde	ived. Risks fr be controlle substances c implemented illowed then uce vomiting.	om the physic d by implemer lassified as H30 to control the a seek immedia	ochemica ating risk 4, the foll aspiration ate medi	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measures es need to bt ingest. Do NO	
Irritation Skin corrosion/irritatic Serious eye	n and corrosion Exposure on No information	der can For be i swa indu	ived. Risks fr be controlle substances c implemented illowed then uce vomiting.	om the physic d by implemer lassified as H30 to control the a seek immedia Evaluation Not	ochemica ating risk 4, the foll aspiration ate medi	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measures es need to bt ingest. Do NO	
Irritation Skin corrosion/irritatic Serious eye	n and corrosion Exposure on No information	der can For be i swa indu	ived. Risks fr be controlle substances c implemented illowed then uce vomiting.	om the physic d by implement lassified as H30 to control the a seek immedia Evaluation Not irritating. Not	ochemica ating risk 4, the foll aspiration ate medi	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measure es need t ot ingest. Do NO	
Skin corrosion/irritation damage/irritation Sensitiza	n and corrosion Exposure on No information No information	der can For be i swa indu e time a available	ived. Risks fr be controlle substances c implemented illowed then uce vomiting. Species - -	om the physic d by implement lassified as H30 to control the a seek immedia Evaluation Not irritating. Not	ochemica ating risk 4, the foll aspiration ate medi	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measures es need to bt ingest. Do NO	
Irritation Skin corrosion/irritatic Serious eye damage/irritation	n and corrosion Exposure on No information No information	der can For be i swa indu e time a available a available	ived. Risks fr be controlle substances c implemented illowed then uce vomiting. Species - -	om the physica d by implement lassified as H30 to control the assek immedia Evaluation Not irritating. Not irritating.	ochemica ating risk 4, the foll aspiration ate medi	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measures es need t ot ingest. Do NO	
Skin corrosion/irritation Serious eye damage/irritation Sensitization Respiratory sensitization:	and corrosion Exposure No information No information No information	der can For be i swa indu e time a available a available b be a skin ser b be a respira	ived. Risks fr be controlle substances c implemented illowed then uce vomiting. Species - - nsitizer. tory sensitize	om the physica d by implement lassified as H30 to control the a seek immedia Evaluation Not irritating. Not irritating.	ochemica ating risk 4, the foll aspiration ate medi Met - -	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measures es need to bt ingest. Do NO	
Skin corrosion/irritation Serious eye damage/irritation Sensitization Respiratory sensitization:	and corrosion Exposure No information No information No information Not expected to Not expected to	der can For be i swa indu e time available a available be a skin ser be a respira cal, chemical	ived. Risks fr be controlle substances c implemented illowed then uce vomiting. Species - - nsitizer. tory sensitize and toxicolo	om the physica d by implement lassified as H30 to control the a seek immedia Evaluation Not irritating. Not irritating.	ochemica ating risk 4, the foll aspiration ate medi Met - -	l hazar manag owing i hazard cal att	ds of s ement measur l. Do no ention.	substance measure es need t ot ingest. Do NO	



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

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Inhalation exposure: Negligible hazard at ambient/normal handling temperatures.										
Eye exposure:	May cause r	nild, short-lastin	g discomfort to	eyes.						
Damaata										
Repeate	a dose loxicity (	subacute, subch	ronic, chronic)							
	Dose	Exposure time	Species	Method	Evaluation	Note				
Subacute oral	No information available	n No information available	No information available	No information available	No informatio available	n -				
Subacute dermal	No information available	n No information available	No information available	No information available	No informatio available	n -				
Subacute inhalation	No information available	n No information available	No information available	No information available	No informatio available	n -				
Subchronic oral	No information available	No information available	No information available	No information available	No informatio available	n -				
Subchronic dermal	No information available	No information available	No information available	No information available	No informatio available	n -				
Subchronic inhalation	No information available	No information available	No information available	No information available	No informatio available	n -				
Chronic oral	No information available	n No information available	No information available	No information available	No informatio available	n -				
Chronic dermal	No information available	n No information available	No information available	No information available	No informatio available	n -				
Chronic inhalation	No information available	n No information available	No information available	No information available	No informatio available	n -				
Specific	target organ to	kicity - repeated	•			<b>NI</b> .				
Subacute oral		Specific No information	c effects available	Target organ No information available		Note -				
Subacute dermal		No information	available	No available	No information					



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Subacute inl	halatior		No information avai	ilable	No available	information	-		
Subchronic oral			No information ava	ilable	No available	information	_		
Subchronic dermal			No information avail	ilable	No available	information	-		
Subchronic i	inhalati	on	No information avai	ilable	No available	information	-		
Chronic oral			No information avail	ilable	No available	information	-		
Chronic dermal			No information avail	ilable	No available	information	-		
Chronic inha	alation		No information avail	vailable No information available			-		
	IR effec	-	nicity; mutagenicity; n	Not expec	ted to cause similar mater				
Mu	ıtagenio	city <i>in-vitro</i> :		No information available					
Ger	notoxic	ity:		No information available					
Mu	ıtagenio	city <i>in-vivo</i> :			ation available				
Ger	rm cell	mutagenicity	r.	Not expected to be a germ cell mutagen. Based on test dat for structurally similar materials. Test(s) equivalent or simila to OECD Guideline 471 473 474 476 478 479.					
Rep	Reproductive toxicity:				Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent of similar to OECD Guideline 413 414 415.				
	mmary operties		ion of the CMR	No informa	ation available				
11.2. Info	ormatio	on on other h	azards:						
11.2.1. Enc	docrine	disrupting p	roperties:						
		endocrine c human heal	lisrupting properties th.						
11.2.2. Otł	ner info	rmations:							



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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.

SECTION 12. Eco	logical informat	ion						
12.1. Toxicity								
Acute (short-term toxicity	n) Dose	Exposu time		Species	Method	Evalu	lation	Note
Fish:	h: LC <sub>50</sub> 96 hour		2	ncorhynchus /kiss	nchus No information - available			1000 mg/l
Crustacea:	EC₅0 48 hou		5	iphnia agna	No information available	-		1000 mg/l
Algae/aquatic plants:		72 hours	rie	eudokirchne lla bcapitata	No information available	-		1000 mg/l
Other organisms:	Other organisms: -		-		-	-		-
Chronic (long- term) toxicity	Dose	Exposu time		Species	Method	Evalu	ation	Note
Fish:	LC <sub>50</sub>	96 hours		o ormation ailable	No information available	-		-
Crustacea:	EC <sub>50</sub>	48 hours	-	o ormation ailable	No information available	-		-
Algae/aquatic plants:	IC <sub>50</sub>	72 hours		o ormation ailable	No information available	-		-
Other organisms:	-	21 day(s	) :	iphnia agna	-	_		NOELR 1 mg/l
12.2								
	ice and degradab legradation	ility						
	Degradation ha	lf-lives	M	ethod	Evaluatior	<b>n</b>		Note
Marine water	No information a				No information		-	



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									Page	14 of 19
Trade name:					BIOCL	EAR	NEW			
Product code:	BCN-2	X**	Da	ate of co	mpilation:	14	Novembe	r 2022	Versio	on: 7
Fresh water	No inform	nation ava	ailable	No info availat	ormation le	No ir avail	nformation able		_	
Air	No inform	No information available		No info availat	ormation le	No ir availa	nformation able		-	
Soil	No information available			No info availat	ormation le	No ir availa	nformation able		-	
Biodeo	radation									
% Degradation		ne (days)		М	ethod		Evaluatio	on	١	lote
Percent Degraded 31.3 : similar material		-	E	Ready Biodegrad (water)	dability		o informati ailable	on	Expected t inherently biodegrad	
> 4	Concentra No inform available		рН	°C - E	Method stimated		Evalu No inforn available		No info availabl	Note rmation e
Biocon Value No information available	centration No info availat	Species ormation			Method ormation le		Evaluati o informati ailable		No inform available	Note
Chroni	c ecotoxicit	<b>y</b>	<b></b>	oosure					luation	
Value		Dose		ime	Species No	No	Method			Note
Value Chronic toxicity		Dose LC <sub>50</sub>	t No	ime nation		No n inf			ormation	Note Not expected.



## **BIOGNOST**<sup>®</sup> SAFELY DATA STEEL According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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Trade I	e name: BIOCLEAR NEW													
Produc	ct coo	de:	BCN-	X**	Da	ate of coi	mpilat	ion:	14 November	2022	2	Versio	n: 7	
crustace	ea (D	aphnia)		1		ormation information ailable available		information available	available			expected.		
12.4.	1	bility in		a al ali aduita cut	· •	·								
	KNO	own or	predicte	dicted distribution in environmental compartments:										
	Sur	face ter	nsion:											
		Value		°C		Concentra	ation		Method			No	ote	
		ormatio ilable	n	o informati ailable		No inform available	ation	No inf availat	ormation ble	Highly vol. partition ra		on rapi pected ment a	tile, will pidly to air. ed to partition t and	
Transpo				orption efficient constant		Ιος	J Kow		Evaporation rate		Metho	d	Note	
Soil-Wa	ater			ion available	<u>م</u>	No information available		No information available	No information available		tion	-		
Water-	Air	No in	formati	ion available	<u>م</u>	No information available		mation	No information available	No information available		tion	-	
Soil-Air	•	No in	formati	ion available	<u>م</u>	No information available		No information available	No information available		tion	-		
12.5.				d vPvB asses										
	Mat	terial de	oes not	meet the R	each /	Annex XIII	criteri	a for PB	T or vPvB.					
12.6.	End	ocrine	disrupt	ing properti	ies									
			-	••••		operties tl	nat aff	ect the e	environment.					
	:			·		-								
12.7.	Oth	er adve	erse eff	ects										
	No	advers	e effect	s are expect	ted.									
L														



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

SECTION	1 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection. 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 designations 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 information:
	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 recommendations:
	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:
	-
SECTION	1 14. Transport information
	Transporting/shipment by road (ADR)
UN num	ber: Not subject to transport regulations.
UN prope	er shipping name: -
	t hazard class(es): -
•	group: -



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Trade name: BIOCLEAR NEW					
Product code:	BCN-X**	Date of compilation:	14 November 2022	Version: 7	
				1 1	
Environmental haza	ırds:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by rail (R	lD)			
UN number:		Not subject to transpo	rt regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmental haza	ırds:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by inland	d waterways (ADN)			
UN number:		Not subject to transpo	rt regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmental haza	ırds:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by sea (I	MDG)			
UN number:		Not subject to transpo	rt regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmental haza	ırds:	-			
Special precautions	for user:	-			
Transport in bulk a of MARPOL73/78 a	according to Annex II nd the IBC code:	-			
Transporti	ng/shipment by air (IC	AO-TI/IATA-DGR)			
UN number:		Not subject to transpo	rt regulations.		
UN proper shipping	g name:	-			
Transport hazard cl	ass(es):	-			
Packing group:		-			
Environmental haza	ırds:	-			
Special precautions	for user:	-			
Further information	: -				



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

	EU regulations						
	Authorisations and/or res	Authorisations and/or restrictions on use					
	Authorisations:	-					
	Restrictions:	-					
	Other EU regulations:	<ul> <li>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 793/9. 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;</li> <li>Directive 2004/42/CE of the European Parliament and of the Council of 21 Apr 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 98/24/EC of 7 April 1998 on the protection of the health and safet of workers from the risks related to chemical agents at work;</li> <li>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 10 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;</li> <li>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</li> </ul>					
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VO guideline)						
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act					
15.2.	Chemical safety assessme	- '					

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

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Trade I	Trade name:		BIOCL	EAR NEW			
Produc	ct code:	BCN-X**	Date of compilation:	14 November 2022	Version:	7	
16.2.	Abbrevia acronyms		ADR: Accord relatif au trans route (European Agreement Goods by Road) IMDG: International Maritime IATA: International Air Trans GHS: Globally Harmonised S EINECS: European Inventory o CAS: Chemical Abstracts Se DNEL: Derived No-Effect Lev LC50: Lethal concentration, LD50: Lethal dose, 50 percer PBT: Persistent, Bioaccumu vPvB: very Persistent and ve	Concerning the International Code for Dangerous Goods bort Association System of Classification and L f Existing Commercial Chemi rvice (division of the America el (UK REACH) 50 percent nt lative and Toxic	al Carriage of abelling of Che cal Substances	Dangerous	
16.3.	-	ture references ce of data:	-				
16.4.	Classifica 1272/200	•	used to derive the classificat	tion for mixture according	to Regulation	n (EC)	
Classific	cation		Classification procedure				
-			-				
16.5.	Relevant	H statements (num	ber and full text)				
	H: 304 (EUI	H066)	May be fatal if swallowed a Repeated exposure may ca	•	ng.		
16.6.	Training	advice:	-				
16.7.	Further information:		<ul> <li>** "X" in the product code marks different volumes (different packaging the product)</li> <li>We are not responsible for consequences in case of failure to comply v instructions for use or improper use of the product described in this material safety data sheet.</li> </ul>			ply with	

### ANNEX: Exposure scenario resulting to Chemical safety assessment



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Trade name:			BIOFIX		
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version:	5

SECTI	ON 1: Identification of the subst	ance/mixture and	l of the company/undertaking		
1.1.	Product identifier				
	Trade name:	BIOFIX			
	Chemical name:	-			
	Catalogue number:	BF-X**			
1.2.	Relevant identified uses of the	substance or mixtu	re and uses advised against		
	Uses:	Methyl alcohol-l	Methyl alcohol-based fixative for cryostat sections.		
	Uses advised against:	Only the identifi	ed uses are advised.		
	Reason why uses advised against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3.	Details of the supplier of the 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	<u>hr</u>		
	National contact:				
1.4.	Emergency telephone numbers				
	National Protection and Rescue	e Directorate:	112		
	Medical information:		+385 1 2348 342		
	Other information:		-		

SECTIO	DN 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 127	72/2008 (CLP)			
	Hazard class and category code:	Hazard statement*:			
	Flam. liq. 2	H225			
	Acute Tox. 3	H301			
	Acute Tox. 3	H311			
	Skin Irr. 2	H315			
	Eye Irr. 2	H319			
	Acute Tox. 3	H331			
	Muta 2	H341			
	STOT SE 1	H370			
2.1.2.	Additional information				



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	-				Page	2 of 19
Trade r	name:			BIOFIX		
Produc	Product code: BF-X** Da		Date of compilation:	22 Dec 2022	Version:	5
	No know <b>Results o</b>		Properties: isrupting properties vB assessment: According to	the results of its assess	ment, this substa	ince is
For fu	ll text of Ha	azard- and EU	Hazard-statements: see SECT	ON 16		
2.2.	Label eler	ments				
	Product id	dentification:	BIOFIX			
	Identifica	tion number:	-			
	Authorisa	tion number:	-			
	Hazard pi	ictograms:	GHS02 GHS05	GHS06 GHS08		
	Signal wo	ord:	Danger			
	Hazard st	atements:	H301+H311+H331 T inhaled. H314 Causes sever H317 May cause ar H341 Suspected of H350 May cause ca	hable liquid and vapor. oxic if swallowed, in cor e skin burns and eye da a allergic skin reaction. causing genetic defects ncer. uge to organs (eyes).	mage.	if
	Precautio	nary statemer	not smoke. P301+P310 IF SWALL CENTER/doctor. P302+P352 IF ON SK P304+P340 IF INHAL a position comfortab P305+P351+P338 IF minutes. Remove cor rinsing.	om heat/sparks/open fl .OWED: Immediately ca IN: Wash with plenty of ED: Remove victim to fr le for breathing. IN EYES: Rinse cautious ntact lenses, if present a ed or concerned: Call a F	ll a POISON soap and water. esh air and keep ly with water for nd easy to do. Co	at rest in several ontinue



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Trade	name:			BIOFIX	
Produ	ict code:	BF-X**	Date of compilation:	22 Dec 2022	Version: 5
	Supplem informat	etal hazard ion (EU):	-		
2.3.	Other ha	zards			
	-				

	mposition/inform			
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
67-56-1/ 200-659-6/ 603-001-00-X	-	80 – 85 %	methanol	Flam. liq. 2, H225 Acute tox. 3, H331 Acute tox. 3, H311 Acute tox. 3, H301 STOT-SE 1, H370
50-00-0/ 200-001-8/ 605-001-00-5	-	9 – 10 %	formaldehyde, 37%	Acute tox. 3; H301 Acute tox. 3; H311 Skin corr. 1B; H314 Skin sens. 1; H317 Acute tox. 3; H331 Muta. 2; H341 Carc. 1B; H350
64-19-7/ 200-580-7/ 607-002-00-6	-	4 – 5 %	acetic acid, 99%	Flam. Liq. 3; H226 Skin corr. 1A; H314

SECTION 4. First aid measures			
4.1.	Description of first aid n	neasures	
	General notes:	-	
	Following inhalation:	Carry the afflicted person out for fresh air, place them in half lying position and calm them down. If breathing stops, immediately apply artificial respiration. Rush the afflicted person to the hospital while keeping them in lateral recumbent position in order to keep the airways clear.	
	Following skin contact:	Remove contaminated clothing. Wash with plenty of water and soap for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	



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Trade name:	BIOFIX				
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version:	5

	-					
4.3.	Indication of any immed	liate medical attention and special treatment needed				
	Following ingestion:	Stomach and bowel irritation, feeling unwell, vomiting, strong abdominal pain. Absorption may cause toxic effects.				
	Following eye contact:	Mild to moderate irritation due to vapor, conjunctivitis, later chemosis, lesser possibility of cornea damage. Visual impairments may occur later, after the absorbtion.				
	Following skin contact:	Minimum level of irritation, defatting; prolonged exposure may cause absorption and greater possibility of delayed systemic effects.				
	Following inhalation:	Airways irritation and possible lung damage due to high levels of vapor concentration. Absorption may cause toxic effects.				
4.2.	Most important symptoms and effects, both acute and delayed					
	Self-protection of the first aider	Avoid direct contact with the chemical; use appropriate protective equipment described in Section 8.				
	Following ingestion:	Rinse with water and expectorate. Make the afflicted person drink 1 - 2 glasses of water (200 - 400 ml). The afflicted person should drink one glass (100 ml) of 40% ethanol (adult dose). Place the afflicted person in the half lying position and rush them to hospital while constantly calming them down. If the afflicted person is vomiting, there may be risk of pulmonary aspiration.				

SECTI	ON 5. Firefighting measures	
5.1.	Extinguishing media	
	Suitable extinguishing media:	water spray, foam, dry powder, CO <sub>2</sub>
	Unsuitable extinguishing media:	No information available
5.2.	Special hazards arising from the sub	ostance or mixture
	Hazardous byproducts of fire:	No information available
5.3.	Advice for firefighters	
	Use a self-contained open-circuit co	ompressed air breathing apparatus and fireproof clothing.
	Cool closed containers exposed to f	ire with water spray, in order to prevent explosion.
5.4.	Additional information	
	Remove sources of heat and ignitio	n.
	Do not contaminate the environme	nt with extinguishing media.

SECTIO	ON 6. Accidental release measures	
6.1.	Personal precautions, protective equip	oment and emergency procedures
6.1.1.	For non-emergency personnel	
	Protective equipment:	Use personal protective equipment (see Section 8).



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Trade	Trade name:		BIOFIX						
Product code:		BF-X**	Date of com	pilation:	22 Dec 2022	Version:	5		
	Accident prevention methods:			Evacuate members of all non-essential personnel and those members without protective equipment. Do not breathe in vapor, ensure adequate ventilation and avoid contact with skin and eyes. Remove all sources of sparks and ignition. Do not smoke.					
	Emergenc	y procedures	s: N	Mark the are	a using proper signs.				
6.1.2.	For emerg	jency respon	ders:						
	Use protective equipment; in case of equipment (see Section 8).			dequate ver	tilation use adequate ai	rways protective			
6.2.	Environmental precautions:								
		•	ose of in sewage, drainage system and waterways. In case of large spillage contact otection and Rescue Directorate (NPRD) on 112.						
6.3.	Methods	and materials	s for containment	and cleaning	g up				
6.3.1.	Bunding, drains; cap procedure								
6.3.2.	For cleani	ng:	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 info	ormation:	Do not use tool	s that may c	ause sparks.				
6.4.	Reference	Reference to other sections							
	See Sectio	on 7 for infor	mation about secu	ure handling					
	See Sectio	on 8 for infor	mation about pers	sonal protec	tive equipment.				
	See Section 13 for information about containment.								

SECTIO	N 7. Handling and storage	
7.1.	Precautions for safe handling	
7.1.1.	Protection measures	
	Measures for fire prevention:	Use in well ventilated storage rooms. Keep away from sources of heat and ignition. Carry out measures for preventing static electricity.
	Measures for preventing spray and dust formation:	Secure proper ventilation.
	Environmental precautions:	Prevent spilling into the sewage system and waterways.
	Other measures:	-
7.1.2.	Advice on general occupational hygiene:	



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Trade name:			BIOFIX			
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version: 5		

	Do not eat, drink or smoke in the workspace. Th	oroughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incom	npatibilities			
	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:	kaging 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 p	arameters							
Substanc	Substance     CAS No     Occupational exposure limit       Substance     CAS No     values/short term values		ogical limit values					
			ppm	mg/m³				
Methanol		67-56-1	200/-	260/-	-			
Formaldehyde		50-00-0	0.3/0.6	0.37/0.74	-			
Acetic acid	Acetic acid 64-19-7			25/50	-			
* For all results pe into consideration	0	eatinine leve	ls, creatinine concentrati	on < 0.5 g/l an	d > 3.0 g/	l may not be taken		
Substance: -								
EC No: -		CAS No:	-					
DNEL								
			Industrial					
Route of		Acute	Acute	Chror	nic	Chronic		
		ect local	effect systemic	effect lo	ocal	effect systemic		
Oral	-		-	-		-		



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Trade name:				В	IOFIX			
Product code:	BF-X**	Date	of compilatio	on:	22 Dec 2022	Version: 5		
Inhalation	260 ma/m <sup>3</sup>		260 mg/m <sup>3</sup> (methanol)		0.375 mg/m <sup>3</sup> (formaldehyde) 260 mg/m <sup>3</sup> (methanol)	9 mg/m <sup>3</sup> (formaldehyde) 260 mg/m <sup>3</sup> (methanol)		
Dermal	-		40 mg/kg (methanol)		0.037 mg/cm <sup>2</sup> (formaldehyde)	240 mg/kg (formaldehyde) 40 mg/kg (methanol)		
Critical physical par	rameters: sol	ubility, fl	ammability, cor	rosivity:	-			
			Cons	sumer	<u>.</u>			
Route of exposure:	Act effect		Acute effect sys		Chronic effect local	Chronic effect systemic		
Oral	-		8 mg/kg (methanol)		-	4.1 mg/kg (formaldehyde) 8 mg/kg (methanol)		
Inhalation	50 mg/m (methano		50 mg/m <sup>3</sup> (methanol)		0.1 mg/m <sup>3</sup> (formaldehyde) 50 mg/m <sup>3</sup> (methanol)	3.2 mg/m <sup>3</sup> (formaldehyde) 50 mg/m <sup>3</sup> (methanol)		
Dermal	-		8 mg/kg (me	thanol)	0.012 mg/cm <sup>2</sup> (formaldehyde)	102 mg/kg (formaldehyde) 8 mg/kg (methanol)		
PNEC								
Environmental prot	tection targe	t		PNEC				
Fresh water				J J	'l (formaldehyde) l (methanol)			
Freshwater sedime	nts			2.3 mg/kg (formaldehyde) 570.4 mg/kg (methanol)				
Marine water				0.44 mg/l (formaldehyde) 15.4 mg/l (methanol)				
Marine sediments				2.3 mg/kg (formaldehyde)				
Food chain					No information available			
Microorganisms in sewage treatment					/l (formaldehyde) l (methanol)			
Soil (agricultural)					g (formaldehyde)			
-					23.5 mg/kg (methanol) No information available			
Air				NO INION	mation available			



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Trade name:	BIOFIX				
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version: 5	

8.2.1.	Appropriate engineering measures						
	Substance/mixture related measures to prevent exposure during identified uses:	Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.					
	Structural measures to prevent exposure:	No information available					
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.					
	Technical measures to prevent exposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.					
8.2.2.	Personal protection equipme	nt					
8.2.2.1.	Eye and face protection:	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).					
8.2.2.2.	Skin protection:						
	Hand protection:	The protective gloves have to satisfy the specification of Regulation (EU) 2016/425 and the related standard EN374. Full contact: Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min Splash contact: Gloves material: polychloroprene Glove thickness: 0.65 mm Time until perforation: >240 min					
	Other skin protection:	Complete suit protecting against chemicals (EN 340) The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace and shoes that cover the entire foot.					
8.2.2.3.	Respiratory protection:	Use mask that covers the entire face (EN 136). Recommended filter type: ABEK (EN 143). Use respirators and components tested according to and approved by the standard (EU).					
8.2.2.4.	Thermal hazards:	No information available					
8.2.3.	Environmental exposure cont	rols					
	Substance/mixture related measures to prevent exposure:	See Section 6					
	Structural measures to prevent exposure:	Use modern equipment.					



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Trade name: Product code:					BIOFIX		
		BF-X**	Date of compilation:		22 Dec 2022	Version:	5
	Organisational measu prevent exposure:		ures to	Adapt the work process to the required workplace.		working conditions of the	
	Techni	cal measures	to	See Section 6			

Technical measures to	See Section 6
prevent exposure:	See Section 0

1.	Information on basic physical and	chemical properties			
		Value	Method		
	Physical state:	liquid	No information available		
	Colour:	colorless	No information available		
	Odour/odour threshold:	methanol/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:	lower: 6 % (V) methanol upper: 36.5 % (V) methanol	No information available		
	Flash point:	12 °C	No information available		
	Auto-ignition temperature:	No information available	No information available		
	Decomposition temperature:	No information available	No information available		
	pH:	No information available	No information available		
	Kinematic viscosity:	No information available	No information available		
	Solubility:	No information available	No information available		
	Partition coefficient n- octanol/water (log value):	No information available	No information available		
	Vapour pressure:	No information available	No information available		
	Density and/or relative density	No information available	No information available		
	Relative vapour density:	No information available	No information available		
	Particle characteristics:	No information available	No information available		

SECTION	ON 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 (room temperature).



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Trade	name:			BIOFIX						
Produ	ict code:	BF-X**	Date of comp	oilation:	22 Dec 2022	Version:	5			
10.3. Possibility of hazardous reactions:				With halogen elements, oxidizing substances, reducing agents, acids.						
10.4.	Condition	s to avoid:		Sources of heat, sparks, and ignition.						
10.5.	Incompatible materials:			Halogen elements, oxidizing substances, reducing agents, acids.						
10.6.	Hazardou	s decomposi	vapors and gases.							

11.1. Inform	nation on toxicological effects				
Acute	toxicity:				
Route of exposure:	Method	Species	Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results
Oral:	No information available	rat	LD <sub>50</sub>	-	125.13 mg/kg (methanol)
Dermal:	No information available	rabbit	LD <sub>50</sub>	-	375.13 mg/kg (methanol)
Inhalation:	No information available	rat	LC <sub>50</sub>	4 h	3.88 mg/l (methanol)
Specif	ic target organ toxicity - single Specific effects	•		jet organ	Note
Oral:	No information available	)		ion available	-
Dermal:	No information available		No informat	_	
Inhalation:	No information available		No informat	-	
Aspira	ation hazard:	No inform	nation available	e	
Irritati	on and corrosion				
	Exposure time	Species	Evaluatio n	Method	Note
Skin corrosion/irrita	tion	-	-		
Serious eye damage/irritat	on -	-	-		



					Page 1	1 of 19					
Trade name:			BIOFI	K							
Product code:	BF-X**	Date of compilati	on: 22 D	ec 2022	Version:	5					
Skin sensitization	: Does not ca	use sensitization.									
Respiratory sensitization:	No informa	tion available									
Sympton	ms related to the p	hysical, chemical a	nd toxicological	characteristics:							
Oral exposure:	-	wel irritation, feelin			ninal pain. Abso	orption					
Dermal exposure:		Minimum level of irritation, defatting; prolonged exposure may cause absorption and greater possibility of delayed systemic effects.									
Inhalation exposure:		Airways irritation and possible lung damage due to high levels of vapor concentration. Absorption may cause toxic effects.									
Eye exposure:		e irritation due to v Visual impairments			•	ility of					
Repeate	d dose toxicity (su	bacute, subchronic,	, 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	-					



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Trade name	:					BIOFIX				of 19
Product cod		BF-X**	D	ate of compilation	on:		ec 2022	Version: 5		5
-				•	<b>.</b>					
Chronic No inform inhalation available		No informati available	on	No information available	No informa availab		No information available	No information available		-
Spec	cific t	arget organ to	xicity	y - repeated expos	-	DT-RE):				
				Specific effe			Target orga			Note
Subacute ora				o information ava			nformation avail		-	
Subacute dermal			o information ava			nformation avail		-		
Subacute inhalation			o information ava			nformation avai		-		
Subchronic oral		N	o information ava	ilable	No i	nformation avail	lable	-		
Subchronic dermal		N	o information ava	ilable	No i	nformation avail	lable	-		
Subchronic inhalation		N	o information ava	ilable	No i	nformation avail	lable	-		
Chronic oral		N	No information available		No i	No information available		-		
Chronic dermal			N	o information ava	ilable	No i	nformation avai	lable	-	
Chronic inhal	atior	1	N	o information ava	ilable	No i	nformation avai	lable	-	
Carc	CMR effects (carcinogenicity, mutagenicity, Carcinogenicity: Mutagenicity <i>in-vitro</i> :				Possible carcinogen. Current <i>in vitro</i> tests did not indicate mutagenic effects.					
Gen	otoxi	city:			formation available					
Mut	agen	icity <i>in-vivo</i> :			ence of genetic defects.					
Gerr	n cel	l mutagenicity:			No info	rmation a	available			
Repr	rodu	ctive toxicity:				city on r centratio	eproductive org ns.	jans was de	terr	mined in
	Summary of evaluation of the CMR properties:					Current studies indicate that low methanol concentrations do not cause CMR effects but formaldehyde has local carcinogenic activity in experimental animals; there is evidence for a threshold effect for tumors involving cytotoxicity and regenerative cell proliferation as the mode of action. Further detailed tests are required.				
					i		· · · · · · · · · · · · · · · · · · ·			
11.2. Infor	rmati	on on other ha	azaro	ls:						
11.2.1. Endo	ocrin	e disrupting pr	opei	rties:						
		vn endocrine o ct human healt		pting properties						
11.2.2. Othe	er inf	ormations:								



-

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

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Trade name:			BIOFIX		
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version:	5

<b>SECTION 12. I</b> 12.1. Toxici								
Acute (short-te		Dose	Exposure time	Species	Met	hod	Evaluation	Note
Fish		LC <sub>50</sub>	96 hours	Lepomis macrochirus (Bluegill sunfish)	No information available		No information available	15.400 mg/l (methanol)
Crustacea:		EC <sub>50</sub>	48 hours	Daphnia magna	N inform avail	nation	No information available	>18.260 mg/l (methanol)
Algae/aquatic plants:		IC <sub>50</sub>	8 days	Pseudokirchn eriella subcapitata (green algae)	No information available		No information available	22.000 mg/l (methanol)
Other organisr	er organisms		-					
Chronic (long-term) toxicity		Dose	Exposure time	Species	Method		Evaluation	Note
Fish		LC <sub>50</sub>	96 hours	No information available	No information available		No information available	-
Crustacea:		EC <sub>50</sub>	48 hours	No information available	No information available		No information available	-
Algae/aquatic plants:		IC <sub>50</sub>	72 hours	No information available	No information available		No information available	_
Other organisr	ms	-	-	-	-		-	-
	i							
12.2. Persis	stence an	d degrada	bility					
Abiot	ic degrac	dation	:			1		
	Degradation half-lives		alf-lives	Method			Evaluation	Note
Marine water	No info	rmation av	vailable	No information a	No information available		formation ble	-
Fresh water	No info	rmation av	vailable	No information available		No information available		-
Air	No info	rmation av	vailable	No information a	vailable	No in availa	formation ble	-



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Trade name:					BIO	FIX				
Product code	e:	BF-X**	Date of	of compilation: 22 Dec 2022					Versio	n: 5
Soil	No	information av	vailable	No information available			No informa available	ation		-
Biode	egrad	ation								
% Degradati	-	Time (da	iys)		Method		Evaluatio	n		Note
		-		No inforr	No information available		No informatior available	on -		
-										
		ş					;			
		ulative potenti								
-		ater partition					· · ·			
Value	Coi No	ncentration information	рН	°C	Method		Evaluati No informa			Note
-	availa		-	-	-		available		-	
Bioco	oncen	tration Factor	(BCF)							
Value		Spec	ies		Method		Evaluatio	on		Note
No informatic available	'n	No informati available	on	No inf	ormation availab	le	No information available		No information available	
Chro	nic ec	otoxicity								
Valu	le	Dos	e i	posure time	Species		Method	Eval	uation	Note
Chronic toxicity on fish		fish LC <sub>50</sub>	No infor avail	mation able	No information available		o formation /ailable	on	rmati Iable	-
Chronic toxici crustacea (Da	-	) EC <sub>50</sub>	No infor avail	mation able	No information available	1	o formation ⁄ailable	on	rmati Iable	-



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Trade name:			BIOFIX					
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version:	5			

12.4.	Mobility in soil											
	Kno	wn or predicte	d distributi	on in environmen	tal comp	artmen	ts:					
	No	No information available										
	Surf	Surface tension:										
		Value	°C	Concentrati	on	Method						
	No information available		intormatio		on N	No information available						
	Ads	orption / deso	rption									
Transport A/D coeffic Henry's cons				log Kow		oration Ite	Method	٦	lote			
Soil-Water		No in <sup>.</sup> available	formation	No information available	No information available		No information available	-				
Water-Air		No in <sup>.</sup> available	formation	No information available	No information available		No information available	-				
Soil-Aiı	r	No in <sup>.</sup> available	formation	No information available	No information available		No information available	-				
12.5.	Sub		e mixture d				or vPvB according to aducted.	Regulatic	on (EC)			
12.6.	End	ocrine disrupti	ng properti	es								
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.											
12.7.	Oth	er adverse effe	cts									
	No	information av	ailable									
SECTIO	ON 13	. Disposal con	sideration	s								



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Trade name: Product code:		BIOFIX					
		BF-X**	Date of compilation:	22 Dec 2022	Version:	5	
13.1.1.	Product	Product/Packaging disposal:					
	not mix	with other so	be disposed of according to t orts of waste. Submit for dispo d Nature Protection.		-		
13.1.2.	Waste codes/waste designations according to Law:						
	No information available						
13.1.3.	Waste codes/waste designations according to Low:						
	15 01 10*: packaging that contains residual hazardous substances or is contaminated with hazardous substances						
13.1.4.	Sewage disposal – relevant information:						
	Waste n	nust not be c	lisposed of into the sewage sy	stem.			
13.1.5.	Other disposal recommendations:						
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.						
13.1.6.	Relevant Community provisions:						
	Directive 2009/98/EC on waste and repealing certain directives.						
SECTIO		sport inforn					
Transporting/shipment by road							
UN number:			1992				
UN proper shipping name:			•	toxic, n.o.s. (methanol se	olution)		
Transport hazard class(es):			3 (6.1)				
Packing group:			<u>  </u>				
Environmental hazards:			-				
Special	precaution		-				
	•	ng/shipmen	t by rail (RID)				
UN number:			1992				
UN proper shipping name:			•	Flammable liquid, toxic, n.o.s. (methanol solution)			
Transport hazard class(es):			3 (6.1)				
Packing	group:		II				



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Trade name:	BIOFIX						
Product code:	BF-X**	Date o	f compilation:	22 Dec 2022	Version:	5	
Environmental haza	ards:		-				
Special precautions	for user:		-				
Transporti	ng/shipment b	y inland	waterways (ADN)				
UN number:			1992				
UN proper shipping	g name:		Flammable liquid, t	oxic, n.o.s. (methanol so	lution)		
Transport hazard cl	ass(es):		3 (6.1)				
Packing group:			II				
Environmental haza	ards:		-				
Special precautions	for user:		-				
Transporti	ng/shipment b	y sea (IN	1DG)				
UN number:			1992				
UN proper shipping	g name:		Flammable liquid, toxic, n.o.s. (methanol solution)				
Transport hazard cl	ass(es):		3 (6.1)				
Packing group:			II				
Environmental haza	ards:		-				
Special precautions	for user:		-				
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:			-				
Transporti	ng/shipment b	y air (ICA	O-TI/IATA-DGR)				
UN number:			1992				
UN proper shipping	g name:		Flammable liquid, t	oxic, n.o.s. (methanol so	lution)		
Transport hazard class(es):			3 (6.1)				
Packing group:							
Environmental haza	ards:		-				
Special precautions	for user:		_				
Further informatior	n: -						

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



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Trade name:	BIOFIX				
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version:	5

Other EU regulations	<ul> <li>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;</li> <li>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;</li> <li>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;</li> <li>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;</li> <li>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</li> </ul>
Information accordin guideline)	g 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 asses	ssment
None	

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



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Trade name:			BIOFIX		
Product code:	BF-X**	Date of compilation:	22 Dec 2022	Version:	5

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		
Classifi	catior	ı	Classification procedure
-			-
16.5.	Rele	evant H statements (num	ber and full text)
	H:	225	Highly flammable liquid and vapor.
		226	Flammable liquid and vapor.
		301+311+331	Toxic if swallowed, in contact with skin or if inhaled.
		314	Causes severe skin burns and eye damage.
		317	May cause an allergic skin reaction.
		341	Suspected of causing genetic defects.
		350	May cause cancer.
		370	Causes damage to organs if inhaled, if it comes into contact with skin, and if swallowed.
16.6.	Trai	ning advice:	-
			** "X" in the product code marks different volumes (different packaging 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



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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**				
1.2	Relevant identified use	es of the subs	tance or n	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	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 p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection and Rescue Dire		octorato.	112		
	National Protection an	d Rescue Dire	ectorate.			
	National Protection an Medical information:	d Rescue Dire	ectorate.	+385 1 2348 342		

SECTIO	FION 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 categ	ory code:		Hazard statements*:	
	Flam. Liq. 2		H225		
2.1.2.	Additional information				
	-				
*For ful	I 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:	<ul> <li>P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking.</li> <li>P233 Keep container tightly closed.</li> <li>P280 Wear protective gloves/protective clothing/eye/protection/face protection.</li> <li>P403+P235 Store in a well-ventilated place. Keep cool.</li> </ul>
	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 assess PBT or vPvB substances.	ment: Based on available data, the product does not contain any
	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	min. 99 %	ethanol	Flam. Liq. 2; H225				

SECT	SECTION 4. First aid measures					
4.1	Description of first aid measur	es				
	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. 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.				
	Following ingestion:					
	Self-protection of the first aider:	-				
4.2	Most important symptoms and ef	ffects, 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		cal attention and special treatment needed ne 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	ibstance 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 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 equipment and emergency procedures					
6.1.1.	For non-emergency personne	I				
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment.				
	Emergency procedures:	Mark the area using proper signs.				
6.1.2.	For emergency responders:					
	Avoid contact with skin, eyes and clothing and inhaling gases, vapours and aerosols. Ensure ad ventilation. Vapours may accumulate at floor level in low and confined spaces. Remove all hea and spark sources, turn off machines. Ignition spark arrestor must not be operated in the dang spark-proof tools. Be aware of the risk of slipping.					
6.2	Environmental precautions:					
	Dispose of the spillage and the resulting waste according to the applicable environmental regula not allow the product and the resulting waste to enter sewers/soil/surface or ground water. I respective authorities in accordance with local law in the case of environmental pollution imme					
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.				

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. Ke away from heat, hot surfaces, sparks, op flames and other ignition sources. I smoking. Use non-sparkling tools a equipment.				
	Measures to prevent aerosol and dust generation	ו:	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 was	h 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 sunlight away from sources of heat and ignition, in its original unopened and hermetically sealed packaging, away from oxidizing agents, food, feed and articles o consumption.				
	Packaging materials:	<ul> <li>Manufacturer's original packaging.</li> <li>Keep away from food and drink. Keep the containers tightly closed.</li> <li>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.</li> </ul>				
	Requirements for storage rooms and vessels:					
	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 othe 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/m <sup>3</sup>	-			
Ethanol	64-17-5	1000/-	1900/-	-			
Substance name: -							



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						Page 6 01 17					
Trading nar	ne:					HIST	ANOL 100				
Product cod	de:	H100-X	**		Revisio	on date:	05 Dec 2022		Version:	6	
					:		1				
EC No:		-	CAS No	:	-						
DNEL											
					In	dustrial		I			
Route of		Αсι			Acute	Chronic Chronic					
exposure:			ct systemi	c	effect local	e	effect systemic				
Oral	 . 1900 mg/m <sup>3</sup>				-		-				
Inhalation		1900 mg (ethanol)		-		-		380 mg	/m <sup>3</sup> (ethanol)		
Dermal		-		-		-		343 mg	/kg (ethanol)		
Critical physi	cal para	meters: s	olubility,	flamm	ability, co	rrosivity:	-				
		_			Co	nsumer					
Route of		Acute A		Acute		Chronic		Chronic			
exposure: e		effect local effect sy		ct systemi	с	effect local	e	effect systemic			
Oral					-		87 mg/	kg bw/day (eth	anol)		
Inhalation		950 mg/m <sup>3</sup> (ethanol)			-		114 mg/m <sup>3</sup> (ethanol)				
Dermal		-		-		-		206 mg/kg (ethanol)			
PNEC											
Environment	al prote	ction tar	get			PNEC					
Fresh water						0.96 mg/	l (ethanol)				
Freshwater s	ediment	S				3.6 mg/k	g (ethanol)				
Marine wate	r					0.79 mg/	l (ethanol)				
Marine sedin	nents					2.9 mg/k	g (ethanol)				
Food chain						380-720 mg/kg (ethanol)					
Microorganis	sms in se	ewage tr	eatment			580 mg/l (ethanol)					
Soil (agricult	ural)					0.63 mg/kg (ethanol)					
Air						no information available					
8.2	Exposur	e contro	ls								
8.2.1.	Approp	riate eng	ineering	contro	ls						
		priate engineering controls nce/mixture related measures to t exposure during identified uses:			concentra concentra existing	of a hazardous m ation limit it is the ation levels down t scientific and techn is substance poses n	e employ o a minir ological	er's duty to l num achievabl means, where	keep e by		
	Structur exposur		ires to pre	event		In accord	In accordance with Section 7.				



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Trading name: Product code:		HISTANOL 100						
		H100-X**	Rev	ision date:	05 Dec 2022	Version:	6	
	Organis exposu	sational measures to re:	o prevent		on of work in order to re uring work process.	educe other worker'	S	
				•	ce of work is proper for	0		

	Technical measures to prevent exposure:		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 ISO 16321-1:2022, EN 166).			
8.2.2.2.	Skin protection	A			
	Hand protection:	Use appropriate, chemical-resistant protective gloves (EN 3			
	Other skin protection:	Use appropriate protective clothing.			
8.2.2.3.	Respiratory protection:	In case of normal usage and ventilation, it is not necessary. concentration of ethyl alcohol exceeds occupational exposure limit in the air, use a self-contained breathing apparatus. For shor contact and if the oxygen content of the air is greater than 18 %, us a protective gas mask with filter A (EN 14837/A1).			
8.2.2.4.	Thermal hazards:	No the	rmal hazards known.		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	See Section 6		
	Structural measures to prevent exposure:	Use mo	Use modern 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			

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:	ethanol like/no information available	No information available				
	Melting point / freezing point:	No information available	No information available				



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Trading name:					
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				
	pH:	No information available	No information available				
	Kinematic viscosity:	No information available	No information available				
	Solubility:	in water completely miscible	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:	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				

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								
11.1	11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008							
	Acute toxicity:							
Route o exposur		Method	Species	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure time	Results		



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							Page 9 c	DT I/	
Trading name:				HIST	ANOL 100				
Product code:	H100-X**	H100-X**		Revision date:		05 Dec 2022		n:	6
			•						
Oral:	-	rat (ethan	ol)	LD <sub>5</sub>	0	-	7.0	60 mg/k	g
Dermal:	-	rabbit (etha	anol)	LD₅	0	-	>2(	).000 mg	j/l
Inhalation:	-	rat (ethan	iol)	LC <sub>5</sub>	0	4 h	>8	.000 mg	/I
o 10 -		••. • •							
Specific ta		oxicity – single	exposure	e (STOT SE)		Y NAME OF THE OTHER PARTY OFT. OTHER PARTY OFT			
		Specific effects			Target orga		No	ote	
Oral:		ation available			ormation avail		_		
Dermal:		ation available			ormation avail		-		
Inhalation:	No informa	ation available		No inf	ormation avail	able	-		
Aspiratio	a bazard:		No in	formation a	availablo				—
Aspiration	11182810.								
Irritation	and corrosion	)							
	Exp	osure time	Sp	pecies	Evaluation	Method	N	ote	
Skin			_		-		_		
corrosion/irritatior	ו:		-		-	-	-		
Serious eye	-		-		-	-	-		
damage/irritation									
Sensitizat	ion								
Skin sensitization:	N	lo information a	available	•					
Respiratory sensiti	zation: N	lo information a	available	•					
. ,									
Symptom	s related to tl	he physical, che	emical ar	nd toxicolo	gical character	istics			
		ion of great	•					euphori	
Oral exposure:		ciousness and a g may occur. Re							d
			•		•	-			
Dermal exposure:	After pr cracking	rolonged or re 1 of skin.	peated	exposure	symptoms ma	y include: c	lefatting, d	ryness a	ino
Inhalation exposur	re: Inhalation membra	on of great quai anes.	ntities ma	ay cause di	zziness, eupho	ria and mild i	irritation of	the muco	วน
Eye exposure:	May cau	use irritation an	d rednes	SS.					
Repeated	dose toxicity	(subacute, sub		chronic)					
	Dose	Exposure time	e Sp	ecies	Method	Evaluati	on f	Note	



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

	CMR effects (carcinogenicity; mutagenicity; r	eproductive toxicity)
	Carcinogenicity: Ba	ased on available data, the classification criteria are not met.
	Mutagenicity <i>in vitro</i> : Ba	ased on available data, the classification criteria are not met.
	Genotoxicity: Ba	ased on available data, the classification criteria are not met.
	Mutagenicity <i>in vivo</i> : Ba	ased on available data, the classification criteria are not met.
	Germ cell mutagenicity: Ba	ased on available data, the classification criteria are not met.
	Reproductive toxicity: Ba	ased on available data, the classification criteria are not met.
	properties:	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. Ecologie	cal informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-
Crustacea:	EC <sub>50</sub>	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-
Algae/aquatic plants	IC <sub>50</sub>	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 <sub>50</sub>	96 hours	No information available	No information available	No information available	-



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					-			Page 1	2 01 17	
Trading name	•			H	ISTANO	L 100				
Product code:	ŀ	1100-X**		Revision dat	te:	05 Dec 20	)22	Vers	ion:	6
Crustacea:		EC <sub>50</sub>	48 hours	No informat available	into	ormation ilable	No infor available		-	
Algae/aquatic p	lants	IC <sub>50</sub>	72 hours	No informat available	into	ormation ilable	No infor available		-	
Other organism	IS	-	-	-	-		-		-	
12.2 Persist										
		nd degrada	Dility							
ADIOLIC	-	adation egradation h	alf-lives	Method		Evaluatio	n	N		
Marine water		nformation a		No information available		informatio ilable		le - prmation le - - - - -		
Fresh water	No ii	nformation a	available	No information available		informatio ilable	'n			
Air	No information a		available	No information available			n -	-		
Soil	No ii	nformation a	available	No information available		informatio ilable	n -			
Biodeg	gradati	on								
% Degradatio	on	Time (	days)	Method		Evaluatio	on	١	Vote	
No information available		No ir available	formation	No informatior available		informatio ilable			ation	
12.3 Bioacc	umula	tive potentia	al							
		er partition of		og Kow)						
Value		centration	рН	°C Met	hod	Evalu	uation		Note	
Log Pow: ~ 0.32	-			-		-				
Biocon	icentra	ition factor (	BCF)							
Value		Speci		Method		Evaluat	ion		Note	



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Tradin	ig name:					H	HISTAN	NOL 10	D			0	
Produ	ct code:	H10	H100-X**		Revis	sion da	ate:	05 D	ec 202	22		Version: 6	
BCF: 0.	66	No avail	inform able	ation	No info availabl		n	No info availab		on	-		
	Chronic	ecotoxic	-:+./										
	Value	ecoloxic	Dose		oosure ime	Spe	ecies	Meth	nod	Evalu	ation	Note	
Chroni	c toxicity o	on fish	LC <sub>50</sub>	No	mation	No inforr availa	mation Ible	No inform availab		No inform availab		-	
	c toxicity o cea ( <i>Daphi</i>		EC <sub>50</sub>	No infor availa	mation able	No inforr availa	mation Ible	No inform availab		No inform availab		-	
12.4	Mobility	/ in soil											
	Known	or predic	ted distributi	on in e	environm	ental c	ompart	ments:					
	No info	rmation	available										
	Surface	tension:											
	Valu	ie	°C	C	oncentra	tion		Metho	bd			Note	
	No informa availabl	tion i	Vo nformation wailable	-	informat ailable	tion	No inf availat	ormation	n	-			
	Adsorpt	tion / des	sorption			1			1				
Transp	ort	-	coefficient 's constant	lo	og Kow	E١	vaporati	on rate	٩	Method		Note	
Soil-wa	ater	No availabl	information e	No ir availa	nformatic able		o inform ailable	nation	No in availa	formati Ible	on	-	
Water-	air	No availabl	information e	No ir availa	nformatic able		o inform ailable	nation	No in availa	formati Ible	nation _		
Soil-air	-	No availabl	information e	No ir availa	nformatic able		o inform ailable	nation	No in availa	formati Ible	on	-	
12.5			nd vPvB asses ble data, the p			ot cont	ain anv	PBT or v	PyR cul	hstance	<u> </u>		



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Trading name:	HISTANOL 100							
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12.6.	Endocrine disrupting properties	
	Based on available data, does no	t contain endocrine disruptors.
12.7.	Other adverse effects	
	Do not let the product or its resid	dues reach sewer system, waterways and soil.
SECTION	N 13. Disposal considerations	
13.1	Waste treatment methods	
13.1.1.	Product/Packaging disposal:	
		Il person authorized by the Ministry of Environmental and Nature
	Protection.	
1212	Marte ender (	
13.1.2.	Waste codes/waste designatio	5
	Packaging that contains residu	al hazardous substances or is contaminated with hazardous substances
40.40		
13.1.3.	Waste treatment – relevant info	ormation:
	No information available	
13.1.4.	Sewage disposal – relevant info	
	Waste must not be disposed o	f into the sewage system.
	·	
13.1.5.	Other disposal recommendation	ons: t's remains into the sewage system. Submit the remains to the collectors
	authorized by the ministry in c	charge. Do not dispose of the packaging into the sewage system. Submit is authorized by the ministry in charge. Unused product residues may be
13.1.6.	Relevant Community provision	is:
	Disposal must be made accord	ling to official regulations.
SECTION	N 14 TRANSPORT INFORMATIC	)N
	Transporting/shipment by road (	(ADR)
UN num	ber:	1170
UN prop	er shipping name:	Ethanol solution
Transpoi	rt hazard class(es):	3
Packing	group:	Н



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Trading name:			HISTA	NOL 100		
Product code:	H100-X**		Revision date:	05 Dec 2022	Version:	6
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Transporti	ng/shipment by rail (RI	ID)				
UN number:		117	0			
UN proper shipping	g name:	Etha	anol solution			
Transport hazard cl	lass(es):	3				
Packing group:		II				
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Inland wat	terway transport (ADN)	1				
UN number:		117	0			
UN proper shipping	g name:	Etha	anol solution			
Transport hazard cl	lass(es):	3				
Packing group:		II				
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Transporti	ng/shipment by sea (IN	MDG)				
UN number:		117	0			
UN proper shipping	g name:	Etha	anol solution			
Transport hazard cl	lass(es):	3				
Packing group:		II				
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Transport in bulk a of MARPOL 73/78 a	according to Annex II and the IBC code:	-				
Transporti	ng/shipment by air (IC	AO-T	I/IATA-DGR)			
UN number:		117	0			
UN proper shipping	g name:	Etha	anol solution			
Transport hazard cl	lass(es):	3				
Packing group:		II				
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Further informatior	n: -					

**SECTION 15. Regulatory information** 



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

	EU regulations	
	Authorization and/or rest	rictions of use
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	<ul> <li>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;</li> <li>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 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;</li> <li>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;</li> <li>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).</li> <li>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</li> </ul>
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2	Chemical safety assessme	ent
	None	

SECTION 16. Other info	mation
16.1 Indication of ch	nges: -



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Trading name: Product code: H100-X**		Page 17 of 17								
Tradin	5			HISTA	NOL 100					
Produc	ct code:	H100-X**		Revision date:	05 Dec 2022	Version:	6			
16.2	Abbrevia	ations and acronyms:	route Good IMD0 IATA GHS2 EINE CAS: DNE LC50 LD50 PBT:	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 GoodsIATA: International Maritime Code for Dangerous GoodsIATA: International Air Transport AssociationGHS: Globally Harmonised System of Classification and Labelling of ChemicalsEINECS: European Inventory of Existing Commercial Chemical SubstancesCAS: Chemical Abstracts Service (division of the American Chemical Society)DNEL: Derived No-Effect Level (UK REACH)LC50: Lethal concentration, 50 percentLD50: Lethal dose, 50 percentPBT: Persistent, Bioaccumulative and Toxic						
16.3.	Key litera source o	ature references and f data:		vPvB: very Persistent and very Bioaccumulative Manufacturer's MSDS file.						
16.4.	Classifica 1272/20	-	used to	derive the classificati	on for mixture accordin	g to Regulation (EC)	)			
Classific	cation		Classification procedure							
_			-							
16.5.	Relevant	H statements (num	per and	full text)						
	H:	225	Highly	flammable liquid and	l vapor.					
16.6.	Training	advice:	-							
16.7.	Further i	r information: - ** "X" in the product code marks different volumes (different packathe product) We are not responsible for consequences in case of failure to comprise instructions for use or improper use of the product described in this material safety data sheet.								

#### ANNEX: Exposure scenario resulting to chemical safety assessment

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Trading name:	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 alcoh	ol			
	Catalogue number:	H95-X**				
1.2	Relevant identified use	es of the subs	tance or m	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 shee	t		
	Supplier:		BioGnost Ltd.			
	Address:	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection ar	nd Rescue Dir	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Medical information:			+385 1 2348 342		

SECTIO	ECTION 2. Hazards identification				
2.1	Classification of the substance	or mixture			
2.1.1	Classification according to Reg	ulation (EC) No 12	.72/2008 (CLP)		
	Hazard class and category code: Hazard statements*:				
	Flam. Liq. 2		H225		
2.1.2.	Additional information				
	-				
*For ful	I text of Hazard- and EU Hazard	-statements: see S	ECTION 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:	<ul> <li>P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking.</li> <li>P233 Keep container tightly closed.</li> <li>P280 Wear protective gloves/protective clothing/eye/protection/face protection.</li> <li>P403+P235 Store in a well-ventilated place. Keep cool.</li> </ul>
	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 assess PBT or vPvB substances.	ment: Based on available data, the product does not contain any
	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	~ 95%	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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	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:	<ul> <li>Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting.</li> <li>Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.</li> </ul>		
	Self-protection of the first aider:	-		
4.2	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.		
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	ECTION 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	ibstance 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 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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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.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Avoid contact with skin, eyes and clothing and inhaling gases, vapours and aerosols. Ensure adequate ventilation. Vapours may accumulate at floor level in low and confined spaces. Remove all heat, igniti and spark sources, turn off machines. Ignition spark arrestor must not be operated in the danger area spark-proof tools. Be aware of the risk of slipping.				
6.2	Environmental precautions:				
	resulting waste according to the applicable environmental regulations. Do resulting waste to enter sewers/soil/surface or ground water. Notify the dance with local law in the case of environmental pollution immediately.				
6.3	Methods and material for cont	ainment and cleaning up			
6.3.1.	Bunding, covering of drains;				
ט.3.1.	capping procedures:	Sand protective barrier or barriers made of similar materials.			
6.3.1.	capping procedures: Cleaning up:	Sand protective barrier or barriers made of similar materials. 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).			
	capping procedures: 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,			
6.3.2. 6.3.3.	capping procedures: 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). Secure proper ventilation. Do not use incompatible materials (see Section			
6.3.2. 6.3.3.	capping procedures: Cleaning up: Other information:	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). Secure proper ventilation. Do not use incompatible materials (see Section 10).			
6.3.2.	capping procedures:         Cleaning up:         Other information:         Reference to other sections         See Section 7 for information compared	Collect the spilled product with inert, non-combustible absorbent ( 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 appropri individual protective equipment. Flush the remains with plenty of water. The product loses its flammabi if diluted with significant amount of water (approx. 10% solution). Secure proper ventilation. Do not use incompatible materials (see Sec 10).			

SECTIO	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 generation	ו:	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 was	h 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 s away from sources of heat and ignition, in its o unopened and hermetically sealed packaging from oxidizing agents, food, feed and arti- consumption.			
	Packaging materials:	Manufacturer's original packaging.			
	Requirements for storage rooms and vessels: Keep away from food and drink. Keep the contain 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:	and do no chemicals.	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	Control parameters							
Substance	CAS No		exposure limit t term values	Biological limit values				
		ppm	mg/m <sup>3</sup>	-				
Ethanol	64-17-5	1000/-	1900/-	-				
Substance name: -								



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					:		1				
EC No:		-	CAS No	:	-						
DNEL											
					Inc	dustrial					
Route of		Acu	te		Acute		Chronic	Chronic			
exposure:		effect	local	effe	ct systemi	с	effect local	effect systemic			
Oral	-			-		-		-			
Inhalation		1900 mg (ethanol)		-		-		380 mg/m <sup>3</sup> (ethanol)			
Dermal	-			-		-	:	343 mg/kg (ethanol)			
Critical physica	al parar	meters: s	olubility,	flamm	ability, cor	rrosivity:	-				
		1		T	Co	nsumer		1			
Route of		Ac	ute		Acute		Chronic	Chronic			
exposure:		effec	t local	effe	ct systemi	с	effect local	effect systemic			
Oral		-		-		-		87 mg/kg bw/day (etha	nol)		
Inhalation		950 m (ethan		-		-		114 mg/m <sup>3</sup> (ethanol)			
Dermal		-		-		-		206 mg/kg (ethanol)			
PNEC											
Environmental	protec	ction targ	get			PNEC					
Fresh water						0.96 mg/l (ethanol)					
Freshwater sec	diment	S				3.6 mg/k	g (ethanol)				
Marine water						0.79 mg/	l (ethanol)				
Marine sedime	ents					2.9 mg/k	g (ethanol)				
Food chain						380-720	mg/kg (ethanol)				
Microorganism	ns in se	wage tre	eatment			580 mg/	(ethanol)				
Soil (agricultur	al)					0.63 mg/	kg (ethanol)				
Air						no inforr	nation available				
8.2 Ex	kposure	e control	s								
8.2.1. A	ppropr	iate engi	neering	control	S						
DNEL         Route of exposure:         Oral         Inhalation         Dermal         Critical physical physic	ubstance/mixture related measures to revent exposure during identified uses:			concentr concentr existing	ation limit it is the ation levels down to	aterial with no control e employer's duty to ke o a minimum achievable ological means, where to o harm to workers.	eep by				
	tructura xposure		res to pr	event		In accord	lance with Section 7.				



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9	ganisational measures to prevent posure:		Organization of work in order to reduce other worker's influence during work process.						
Tech	nnical measures to pre	event exposure:	avoid spilli contact wi	ice of work is proper for ing onto clothes and flo th eyes and skin. Use acc n methods and with ade	ors and to avoid cording to general				
		event exposure.		Jse 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:	In case of normal usage and ventilation, it is not necessary. If concentration of ethyl alcohol exceeds occupational exposure limits in the air, use a self-contained breathing apparatus. For short contact and if the oxygen content of the air is greater than 18 %, use a protective gas mask with filter A (EN 14837/A1).				
8.2.2.4.	Thermal hazards:	No thermal hazards known.				
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				

SECTI	ON 9. Physical and chemical prope	erties				
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				
	pH:	No information available	No information available				
	Kinematic viscosity:	No information available	No information available				
	Solubility:	in water completely miscible	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:	~ 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				

SECTI	ON 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.

SECTIO	SECTION 11. Toxicological information						
11.1	11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008						
	Acute toxic	ity:					
Route o exposur		Method	Species	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure time	Results	



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	• •								
Oral:	-	rat (ethan	ol)	LD₅	0	-	7.0	60 mg,	′kg
Dermal:	-	rabbit (etha	nol)	LD <sub>5</sub>	0	-	>20	0.000 m	ıg/l
Inhalation:	-	rat (ethan	ol)	LC <sub>5</sub>	0	4 h	>8	.000 m	g/l
Spacific to	araot organ to	oxicity – single e	N DOCUTO						
Specific ta		Specific effects	exposure	(3101 32)	Target orga	n	No	to	
Oral:		ation available		No inf	ormation avail			le	
Dermal:		ation available			ormation avail				
Inhalation:		ation available			ormation avail				
						able			
Aspiratior	hazard <sup>.</sup>		No inf	ormation a	available				
Aspiration									
Irritation	and corrosion								
	Exp	osure time	Sp	ecies	Evaluation	Method	N	ote	
Skin	-		-		-	-	_		
corrosion/irritation	1:								
Serious eye damage/irritation	-		-		-	-	-		
aaage,ae									
Sensitizat	ion								
Skin sensitization:	Ν	o information a	vailable.						
Respiratory sensiti	zation: N	o information a	vailable.						
Symptom	s related to th	ne physical, che	mical an	d toxicolog	gical character	istics			
Oral exposure:	unconsc	ion of great iousness and al g may occur. Re	cohol po	, pisoning. Ir	case of swallo	wing great q	uantities, na		
Dermal exposure:	After pr cracking	olonged or re of skin.	peated e	exposure	symptoms ma	ay include: c	lefatting, d	ryness	an
Inhalation exposur	e: Inhalatic membra	on of great quar nes.	ntities ma	iy cause di	zziness, eupho	ria and mild i	irritation of t	he mu	cou
Eye exposure:	May cau	se irritation and	d redness	S.					
Reneated	dose toxicity	(subacute, sube	chronic (	chronic)					
	Dose	Exposure time		ecies	Method	Evaluati	on N	lote	



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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 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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	CMR effects (carcinogenicity; mutagenicit	y; re	productive toxicity)			
	Carcinogenicity:	Based on available data, the classification criteria are not met.				
	Mutagenicity in vitro:	Bas	sed on available data, the classification criteria are not met.			
	Genotoxicity:	Bas	sed on available data, the classification criteria are not met.			
	Mutagenicity in vivo:		sed on available data, the classification criteria are not met.			
	Germ cell mutagenicity:	Bas	sed 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 CI properties:	ИR	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 cont endocrine disruptors.	ain				
11.2.2.	Other informations:					
	-					

SECTION 12. Ecologie	cal informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-
Crustacea:	EC <sub>50</sub>	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-
Algae/aquatic plants	IC <sub>50</sub>	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 <sub>50</sub>	96 hours	No information available	No information available	No information available	-



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available     available     available     available     available       available     available     available     available       12.3     Bioaccumulative potential     Units of the second	17	Page 12 of 1								
Crustacea:       EC <sub>50</sub> 48 hours       No information available       No information availabl	_					_				-
Crustacea:       EC <sub>30</sub> 48 hours       No information available       information available       No information available       Information available       No information available       No information available       No information available       Information available       Information available       No information available       Information available<	: 6	Version:	)22	05 Dec 20	vision date:	Re		95-X**	H	roduct code:
Algae/aquatic plants       IC <sub>50</sub> 72 hours       No information available       information available       No information available       No information available       No information available       IC method       IC method       No information available       No information available       IC method       IC method <thic met<="" td=""><td></td><td>_</td><td></td><td>information</td><td></td><td></td><td>48 hours</td><td>EC<sub>50</sub></td><td></td><td>rustacea:</td></thic>		_		information			48 hours	EC <sub>50</sub>		rustacea:
12.2       Persistence and degradability         Abiotic degradation       Degradation half-lives       Method       Evaluation       Note         Marine water       No information available       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       No information available       No information available       No information available       -         % Degradation       Time (days)       Method       Evaluation       No information available         No information available       No information available       available       available       -         # Biodegradation       Time (days)       Method       Evaluation       No information available         No information available       No information available       available       available       available         # Biodegradation       No information available       No information available       Information available       Informati		_		information			72 hours	IC <sub>50</sub>	lants	gae/aquatic pl
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       No information available       No information available       No information available       -       -         % Degradation       Time (days)       Method       Evaluation       No information available       -         % Degradation       No information available       No information available       No information available       -       -         % Degradation       Time (days)       Method       Evaluation       No information available       -         12.3       Bioaccumulative potential       Octanol-water partition coefficient (log Kow)       -       -       -		-	-	-		-	-	-	S	ther organisms
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       No information available       No information available       No information available       -       -         % Degradation       Time (days)       Method       Evaluation       No information available       -         % Degradation       No information available       No information available       No information available       -       -         % Degradation       Time (days)       Method       Evaluation       No information available       -         12.3       Bioaccumulative potential       Octanol-water partition coefficient (log Kow)       -       -       -							hility	nd degrada	ence a	2 Persiste
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     -       Soil     No information available     No information available     No information available     -       Biodegradation     Time (days)     Method     Evaluation     No information available       No information available     No information available     No information available     -       Biodegradation     Time (days)     Method     Evaluation     No information available       No information available     No information available     No information available     -       #     Bioaccumulative potential     Octanol-water partition coefficient (log Kow)     -							Dinty	-		
Marine water       No information available       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       -       -         Air       No information available       No information available       No information available       -         Soil       No information available       No information available       No information available       -         Biodegradation       Time (days)       Method       Evaluation       No information available         No information available       No information available       No information available       -         % Degradation       Time (days)       Method       Evaluation       No information available         No information available       available       available       available       available         12.3       Bioaccumulative potential       Octanol-water partition coefficient (log Kow)       -		Note	n	Evaluatic	Method		alf-lives			
Fresh water       No information available       available       available       available       available       available       -         Air       No information available       No information available       No information available       No information available       -				No informatio	nformation		No information available		arine water	
Air       No information available       available       available       available       available       -         Soil       No information available       No information available       No information available       -       -         Biodegradation	-		-				Vo information available		No ir	esh water
Soil       No information available       available       available       available       -         Biodegradation       Biodegradation       Time (days)       Method       Evaluation       Note         % Degradation       Time (days)       Method       Evaluation       Note         No information available         12.3       Bioaccumulative potential       Octanol-water partition coefficient (log Kow)       Vertice Kow)       Vertice Kow)		-	available				o information available		No ir	r
% Degradation       Time (days)       Method       Evaluation       Note         No information available		-					No information available		No ir	bil
No information available       No information available       No information available       No information available         12.3       Bioaccumulative potential         Octanol-water partition coefficient (log Kow)								on	radatio	Biodegi
available availa	1	Note	n	Evaluatic	Method		days)	Time (	n	% Degradation
Octanol-water partition coefficient (log Kow)	n	No information available					nformation			
Octanol-water partition coefficient (log Kow)										
							al	ive potentia	umulat	2.3 Bioaccu
Value Concentration pH °C Method Evaluation Not					w)	og Ko	coefficient (	r partition o	l-wate	Octano
	te	Note	lation	Evalu	Method	°C	рН	centration	Con	Value
		The product d not bioaccum		-	-	-	<b>_</b> .		-	0
Bioconcentration factor (BCF)				-			(BCF)	tion factor (	centra	Biocone
	e	Note	ion	Evaluat	Method					



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Trading nan	ne:						HISTA	NOL 95				0	
Product cod	le:	H95-2	X**		Revis	sion da	ate:	05 D	ec 202	2		Version:	6
BCF: 0.66		No availal	No information available		No info availabl		n	No info availab	ormatic lle	n	-		
Chrc	nic ec	otoxicit											
Val			Dose		osure ime	Spe	ecies	Meth	nod	Evalu	ation	Note	
No		mation able	No inforr availa	nation ble	No inform availab		No inform availat		-				
Chronic toxicity on crustacea (Danhnia) EC <sub>50</sub> i		No infor availa	mation able	No inforr availa	nation ble	No inform availab		No inform availab		-			
12.4 Mob	oility ir	n soil											
Knov	wn or	predicte	ed distributi	on in e	environm	ental c	ompart	ments:					
No i	nform	ation av	/ailable										
Surf	ace te	nsion:											
۱	/alue		°C	C	oncentra	tion		Metho	d			Note	
No infor avail	rmatio lable		o ormation ailable	-	informat ilable	tion	No inf availat	ormation	n	-			
Adso	orptio	n / desc	orption										
Transport		-	efficient constant	lc	og Kow	Εv	vaporati	on rate	Ν	/lethod		Note	
Soil-water		lo ir vailable	nformation	No ir availa	nformatic able		o inform ailable	nation	No in availa	formati ble	on	-	
Water-air		lo ir vailable	nformation	No ir availa	nformatic able		o inform ailable	nation	No in availa	formati ble	on	-	
Soil-air		lo ir vailable	nformation	No ir availa	formation No information available		nation	ion No information available		-			
			d vPvB asses e data, the p			ot cont	ain any	PBT or v	PvB sul	ostance	S.		



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

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

12.6.	Endocrine disrupting properties						
	Based on available data, does no	t contain endocrine disruptors.					
12.7.	Other adverse effects						
	Do not let the product or its resid	dues reach sewer system, waterways and soil.					
SECTIO	N 13. Disposal considerations						
13.1	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
	Submit for disposal to the lega Protection.	Il person authorized by the Ministry of Environmental and Nature					
	Trotection.						
13.1.2.	Waste codes/waste designation	ns according to Law:					
13.1.2.		al hazardous substances or is contaminated with hazardous substances					
	Tuckuging that contains residu						
13.1.3.	Waste treatment – relevant info	ormation:					
15.1.5.	No information available						
13.1.4.	Sewage disposal – relevant info	ormation:					
10.111	Waste must not be disposed o						
	Waste mast not be disposed o						
13.1.5.	Other disposal recommendation	nu2.					
10.1.0.	Do not dispose of the product	t's remains into the sewage system. Submit the remains to the collectors					
		charge. Do not dispose of the packaging into the sewage system. Submit is authorized by the ministry in charge. Unused product residues may be					
	burnt.						
13.1.6.	Relevant Community provision	IS:					
-	Disposal must be made accord	ling to official regulations.					
SECTIO	N 14 TRANSPORT INFORMATIO	)N					
	Transporting/shipment by road (	(ADR)					
UN num		1170					
UN prop	per shipping name:	Ethanol solution					
	rt hazard class(es):	3					
Packing		11					



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Trading name:			HIST	ANOL 95		
Product code:	H95-X**		Revision date:	05 Dec 2022	Version:	6
			1	:		
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Transporti	ng/shipment by rail (RI	D)				
UN number:		117	0			
UN proper shipping		Eth	anol solution			
Transport hazard cl	ass(es):	3				
Packing group:		II				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Inland wat	erway transport (ADN)					
UN number:		117	0			
UN proper shipping	g name:	Eth	anol solution			
Transport hazard cl	ass(es):	3				
Packing group:		II				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Transporti	ng/shipment by sea (IN	/DG)				
UN number:		117	0			
UN proper shipping	g name:	Eth	anol solution			
Transport hazard cl	ass(es):	3				
Packing group:						
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Transport in bulk a of MARPOL 73/78 a	according to Annex II and the IBC code:	-				
Transporti	ng/shipment by air (IC	AO-T	I/IATA-DGR)			
UN number:		117	0			
UN proper shipping	g name:	Eth	anol solution			
Transport hazard cl	ass(es):	3				
Packing group:						
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Further information	: -					

**SECTION 15. Regulatory information** 



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

	EU regulations	
	Authorization and/or restrictions of use	
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	<ul> <li>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;</li> <li>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 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;</li> <li>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;</li> <li>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).</li> <li>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</li> </ul>
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-	
	guideline) National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2	Chemical safety assessment	
	None	

SECTION 16. Other information	
16.1 Indication of cha	ges: -



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Tradin	ig name:		HISTANOL 95				
Produ	ct code:	H95-X**	Revision date	: 05 Dec 2022	Version:	6	
16.2	Abbrevia	tions and acronyms:	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			gerous	
16.3.	Key litera source of	ture references and data:	Manufacturer's MSDS file.				
16.4.	Classifica 1272/200		used to derive the classif	ication for mixture accordir	ng to Regulation (EC	.)	
Classifi	cation		Classification procedure				
-			-				
16.5.	Relevant	H statements (numb	er and full text)				
	H: 225		Highly flammable liquid and vapor.				
16.6.	Training a	advice:	-				
16.7.	Further ir	nformation:	the product) We are not responsible	de marks different volumes for consequences in case o nproper use of the product et.	f failure to comply v	-	

## ANNEX: Exposure scenario resulting to chemical safety assessment

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Trading name:		HEMATOXYLIN G2			
Product code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8

SECTI	ON 1 IDENTIFICATION (	OF THE SUB	STANCE/MI	XTURE AND OF THE COMPANY/UNDERTAKING		
1.1.	Product identifier					
	Trading name:	HEMATOX	YLIN G2			
	Chemical name:	-	-			
	Catalogue number:	HEMG2-O	HEMG2-OT-X**			
1.2.	Relevant identified use	Relevant identified uses of the substance or mixture and uses advised against				
	Uses:		Hematoxy	lin according to Gill for nuclear staining.		
	Uses advised against:		Only the i	dentified uses are advised.		
	Reason why uses advis	vised against: The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Produc Medical Devices and there is no reason to use it for other pur				
1.3.	Details of the supplier	of the safety	data sheet			
	Supplier:	В	ioGnost Ltd.	inost Ltd.		
	Address:	Ν	Medjugorska 59, Zagreb			
	Telephone number:	+	+385 1 2409997 +385 1 2404039			
	Fax no.:	+				
	e-mail of competent p	erson: <u>n</u>	msds@biognost.hr			
	National contact:	act: -				
1.4.	Emergency telephone	number				
	National Protection an	d Rescue Di	rectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	TION 2 HAZARDS INFORMATION					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification (REGULATION	Classification (REGULATION (EC) No. 1272/2008 (CLP)				
	Hazard class and category code: Hazard statements*:					
	Acute Tox. 4		H302			
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Haz	ard-statements: see S	ection 16			
2.2.	Label elements					
	Product identification:	ntification: HEMATOXYLIN G2				
	Identification number:	-				
	Authorization no.:	-				



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Trading name:	HEMATOXYLIN G2				
Product code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8

	Hazard pictograms:	GHS07		
	Signal word:	Warning		
	Hazard statements:	H302 Harmful if swallowed.		
	Precautionary statements:	<ul> <li>P280 Wear protective gloves/protective clothing/eye/protection/face protection.</li> <li>P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.</li> </ul>		
	Supplemetal hazard information (EU):	-		
2.3.	Other hazards			
	Endocrine Disrupting Prope	erties:		
	No known endocrine disrupt	ing properties		
	<b>Results of PBT and vPvB as</b> PBT or a vPvB.	<b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is not a		

SECTION 3 CC	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)			
107-21-1/ 203-473-3/ 603-027-00-1	01-2119456816- 28-xxxx	25 - 45 %	ethylene glycol	Acute Tox. 4, H302			

SECTI	SECTION 4 FIRST AID MEASURES		
4.1.	Description of first aid measu	res	
	General notes:	-	
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well- ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to- mouth) and contact a physician.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.	



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Trading name:	HEMATOXYLIN G2					
Product code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8	

	Following ingestion:		Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.
	Self-protection of the first ai	der:	Treat symptomatically.
4.2.	Most important symptoms a	nd effe	cts, 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:		rirritation. After short exposure, resorption effects are not likely. Long- exposure may cause drying, cracking and tingling sensation of skin.
	Following eye contact:		t eye contact may cause slight to moderate irritation, lacrimation and ng sensation. If the symptoms persist, immediately call a physician.
	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mout 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	medica	I attention and special treatment needed
	-		

SECTI	CTION 5 FIREFIGHTING MEASURES				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub> Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media:	water jet			
5.2.	Special hazards arising from the su	ubstance 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 igniti Do not contaminate the environm				

SECTIO	SECTION 6 ACCIDENTAL RELEASE MEASURES		
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
	Protective equipment: Use personal protective equipment (see Section 8).		



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						raye 4		
Tradin	ng name:			HEMATO	DXYLIN G2			
Produ	ct code:	HEMG2-OT-X**	Revision date: 03 April 2023 Version: 8					
	Accident	prevention methods	s: meml	bers without	rs of all non-essentia protective equipment n. Do not smoke.	•		
	Emergeno	y procedures:	Mark	the area usin	ig proper signs.			
6.1.2.	For emerg	gency responders:						
	Wear pro <sup>-</sup>	tective equipment (s	see Section 8).					
6.2.	Environm	ental precautions:						
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Nati Protection and Rescue Directorate (NPRD) on 112.						National	
6.3.	Methods	and material for cor	ntainment and c	leaning up				
6.3.1.	-	covering of drains; procedures:	Sand or clay b	arriers.				
6.3.2.	Cleaning	up:	material (sand in tightly close ventilated stor persons autho	, diatomaceo ed impermea rage rooms u prized by the ter disposal o	nce can be absorbed by ous earth, vermiculite). P ble containers. Store the ntil disposal. Submit fo Ministry of Environmen of the products, wash th	Place the wast e substance ir r disposal to t tal and Nature	e material n well he legal e	
6.3.3.	Other info	ormation:	-					
6.4.	Reference	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	N 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:	
	Do not eat, drink or smoke in the workspace. Thoro	ughly wash hands after work and before eating.
7.2.	Conditions for safe storage, including any incompat	ibilities



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Trading name:		HEMAT	OXYLIN G2		
Product code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8
		i.		1	

	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.
	Packaging materials:	Manufacturer's original packaging.
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8 EX	(POSUF		TROLS/PER	SONAL	PROTECTION			
8.1. Cont	rol para	meters						
Subst		CAS No		Occupational exposure limit values/short term values		Biological limit values		
					ppm	mg/m <sup>3</sup>		
Ethylene glyco	bl		107-21	-1	20/40	52/104	No infor	mation available
Substance name:	-							
EC No:	-		CAS No:	-				
DNEL								
					Industrial			
Route of		A	cute		Acute	Chronic		Chronic
exposure:		effe	ect local	effe	ect systemic	effect local		effect systemic
Oral		-		-		-		-
Inhalation		-		-		35 mg/ kg (ethylene gly	col)	
Dermal		_		-		-		106 mg/kg (ethylene glycol)
Critical physic	al paran	neters: s	olubility, flai	mmabili	ty, corrosivity:	-		
					Consumer			



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							Page 6	OT 16		
Trading r	name:				HEMAT	OXYLIN G2				
Product of	code:	HEMG2-OT-X**		Revisio	on date:	03 April 2023	Version:	8		
Route of		Acute		Acut		Chronic				
exposure	:	effect local	effect systemic			effect local	effect s	systemic		
Oral						-	-			
Inhalation	ı	-	-			7 mg/kg (ethylene glycol)	-			
Dermal		-	-			-	53 mg/kg ( glycol)	ethylene		
PNEC						I				
Environme	ental prot	ection target			PNEC					
Fresh wate	er				10 mg/l (	(ethylene glycol)				
Freshwate	er sedime	nts			37 mg/kg	g (ethylene glycol)				
Marine wa	ater					thylene glycol)				
Marine se	diments				3.7 mg/k	g (ethylene glycol)				
Food chai	in				No information available					
Microorga	anisms in	sewage treatment			199.5 mg/l (ethylene glycol)					
Soil (agric	cultural)				1.53 mg/kg (ethylene glycol)					
Air					No inform	mation available				
8.2.	Exposi	ure controls								
8.2.1.	Engine	ering measures								
	measu	Substance/mixture related			Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.					
	Structi exposi	ural measures to prev ure:	/ent	No information available						
	-	isational measures to nt exposure:	)	Organization of work in order to reduce other worker's influence during work process.						
	Techni exposi	cal measures to prev ure:	ent			rkspace ventilation in els in air below permit				
8.2.2.	Persor	al protection equipr	nent							
8.2.2.1.	Eye an	d face protection:		Safety o visor.	ty glasses that stick to face (preventing splashing) (EN 166) or r.					
8.2.2.2.	Skin p	rotection								
	Hand	nd protection: Protective glove Glove			oves must be according to standard EN 374. e material: nitrile rubber e thickness: ≥0.11 mm c through time: >480 min					



exposure:

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

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					Page /	01 10			
Trading name:				HEMAT	OXYLIN G2				
Product code: HEMG2-OT-X**			4	Revision date:	03 April 2023	Version:	8		
	Other	skin protection:			ade of natural fibers ( noes that cover the en				
8.2.2.3.	Respi	ratory 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.	Therm	nal hazards:	No inf	information available					
8.2.3.	Enviro	onmental exposure	controls						
	Substance/mixture related measures to prevent exposure: Structural measures to prevent exposure:			Sure: See Section 6					
		Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace.					
	Techn	Technical measures to prevent		See Section 6					

.1.	Information on basic physical and chemical properties							
		Value	Method					
	Physical state:	liquid	No information available					
	Color:	dark red	No information available					
	Odour/odour threshold:	very mild vinegar 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:	No information available	No information available					
	Flammability:	No information available	No information available					
	Lover and upper explosion limit:	No information available	No information available					
	Flash point:	No information available	No information available					
	Auto-ignition temperature:	No information available	No information available					
	Decomposition temperature:	No information available	No information available					
	pH:	No information available	No information available					
	Kinematic viscosity:	No information available	No information available					
	Solubility:	No information available	No information available					
	Partition coefficient n-octanol/water (log value):	No information available	No information available					
	Vapour pressure:	No information available	No information available					
	Density and/or relative density	No information available	No information available					



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Tradi	ing name:		HEMATOXYLIN G2								
Product code:		HEMG2-OT-X**	Revision date:	Revision date: 03 April 20		3 Version:					
	Relative v	vapour density:	No information a	available No ir		nformation available nformation available					
	Particle c	haracteristics:	No information	No info							
9.2.	9.2. Other information										

SECTIC	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.					

SECTIO	ON 11 TOXIC	OLOGICAL INFORM	ATION			
11.1.	Information	n on hazard classes as	defined in Reg	Julation (EC) No 1272	2/2008	
	Acute toxic	ity:				
Route o exposu		Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results
Oral ex	posure:	anhydrous (ECHA)	rabbit	LD <sub>50</sub>	-	7.712 mg/kg (ethylene glycol)
Derma	l exposure:	anhydrous (ECHA)	rat	LD <sub>50</sub>	-	>3.500mg/kg (ethylene glycol)
Inhalation N exposure:		No information available	-	LC <sub>50</sub>	-	-
	Specific tar	get organ toxicity – si	ngle exposure	(STOT SE):		
		Specif	ic effects	Target	organ	Note
Oral ex	posure:	No information	available	No informatio	n available	-
Derma	l exposure:	No information	available	No informatio	n available	_
Inhalat	ion exposure:	No information	available	e No information available		-
	Respiratory	rirritation:	No info	ormation available		
	1		;			
	irritation ar	nd corrosion	- ·			
		Exposure time	Species	Evaluation	Method	Note



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Trading name:		HEMATOXYLIN G2								
Product code:	HEMG2-OT-X	** Re	evision date:	03 April 202	.3 Version:	8				
Skin irritation:	-	rabb	it -	-	Slight irritatic glycol)	on (ethylene				
Eye irritation:	24 h	rabb	it -	-	Slight irritatic glycol)	on (ethylene				
	- +									
Sensitiz Dermal exposure		available								
Inhalation exposure:	No information									
Sympto	ms related to the p	hysical, chemic	al and toxicolog	gical characterist	ics					
Oral exposure:		ion available								
Dermal exposure		ion available								
Inhalation expos		ion available								
Eye exposure:	Causes serio	us eye damage	9							
Repeate	ed dose toxicity (sub	bacute, subchro	onic, chronic)							
1	Dose	Exposure time	Species	Method	Evaluation	Note				
Subacute oral	No information available	No information available	No information available	No information available	No information available	-				
Subacute 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	-				



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Trading name:		HEMATOXYLIN G2							
Product code:	HE	MG2-OT-X*	* Re	evision date	e:	03 April 2023	Ver	sion:	8
Chronic dermal	No availa	information able	No information available	No informatic available	on	No information available	No inform available	ation	-
Chronic inhalation	No availa	information able	No information available	No informatic available	on	No information available	No inform available	ation	-
Spacific	taraat	organ tovicit	v repeated a	Nacuro (ST		)=).			
Specific	larget		y – repeated e pecific effects	exposure (ST		Target orga	<b>n</b>		Note
Subacute oral			tion available		Noi	nformation availa		_	NOLE
Subacute derma			tion available		-	nformation availa		_	
Subacute inhalat			tion available			nformation availa		-	
Subchronic oral			tion available			o information available		_	
Subchronic derm	nal		tion available				_		
Subchronic inhal	ation	No informa	tion available	n available No information ava				-	
Chronic oral		No informa	tion available		No i	nformation avail	able	-	
Chronic dermal		No informa	tion available	n available No in		nformation availa	able	-	
Chronic inhalatic	on	No informa	tion available		No i	nformation avail	able	-	
CMR ef	fects (c	arcinogenicit	y, mutagenicity	y, reproduct	tive t	oxicity)			
Carcino	genicit	y:	Current s	tudies on te	est ai	nimals did not ind	dicate carcir	ogeni	effects.
Mutage	nicity <i>i</i>	n-vitro:	Current i	<i>in vitro</i> tes	ts d	id not indicate m	nutagenic ef	fects.	
Genoto				No information available Current <i>in vivo</i> tests did not indicate mutagenic effects.					
Mutage									
Germ ce	ell muta	agenicity:		nation avail					
Reprod	uctive t	oxicity:	No toxic organs.	ity on rep	rodu	ctive organs wa	is determin	ed in	reproductive
Summa	ry of ev	valuation of tl	ne CMR prope	rties: -					
11.2. Informa	ition or	n other hazard	ds:						
11.2.1. Endocri	ne disr	upting prope	rties:						
	nown	endocrine	disrupting						
		t affect huma	n health.						
11.2.2. Other in	nformat	tions:							
-									



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Trading name:	HEMATOXYLIN G2						
Product code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8		

12.1. Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	Fish	No information available	72.860 mg/l (ethylene glycol)	-
Crustacea:	EC <sub>50</sub>	48 hours	water flea	No information available	>100 mg/l (ethylene glycol)	-
Algae/aquatic plants	IC <sub>50</sub>	8 days	algae	No information available	6.500-13.000 mg/l (ethylene glycol)	-
Microorganisms	LC <sub>50</sub>	72 hours	-	-	-	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	_	-	-

Abio	tic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

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



Page 12 of 16 Trading name: **HEMATOXYLIN G2** Product code: HEMG2-OT-X\*\* Revision date: 03 April 2023 Version: 8 12.3. Bioaccumulative potential Partition coefficient: n-octanol/water (log Kow): °C Value Concentration Method Evaluation pН Note No information No information No information \_ \_ \_ available available available **Bioconcentration factor (BCF)** Value Method Evaluation Note **Species** No information No information No information No information No information available available available available available Chronic ecotoxicity Exposure Value Dose Species Method Evaluation Note time No No No No information  $LC_{50}$ Chronic toxicity on fish information information information \_ available available available available No No No No information Chronic toxicity on information information information  $EC_{50}$ \_ crustacea (Daphnia) available available available available 12.4. Mobility in soil Known or predicted distribution in environmental compartments: No information available Surface tension: °C Value Concentration Method Note No No No information No information information information available available available available



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

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Trading name:	HEMATOXYLIN G2						
Product code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8		

	Adsorption / desorption				
Transpo	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-wa	ter No information available	No information available	No information available	No information available	-
Water-a	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	-
	Ĩ				
12.5.	Results of PBT and vPvB ass	essment			
	Based on available data, the	product does not o	contain any PBT or v	PvB substances.	
12.6.	Endocrine disrupting proper	ties			
	No known endocrine disrup	ing properties that	affect the environn	nent.	
12.7.	Other adverse effects				
	No adverse effects are expe	ted			
	No daverse effects are expe				
SECTIO	DN 13 DISPOSAL CONSIDER				
<b>SECTIO</b> 13.1.	•				
	ON 13 DISPOSAL CONSIDER				
13.1.	ON 13 DISPOSAL CONSIDER	TIONS			
	<b>DN 13 DISPOSAL CONSIDER</b> Waste treatment methods	<b>ATIONS</b> al:	rized by the Ministr	y of Environmental	and Nature
13.1. 13.1.1.	N 13 DISPOSAL CONSIDER/ Waste treatment methods Product/Packaging dispos Submit for disposal to the Protection.	A <b>TIONS</b> al: legal person autho		y of Environmental	and Nature
13.1.	N 13 DISPOSAL CONSIDER/ Waste treatment methods Product/Packaging dispos Submit for disposal to the Protection. Waste codes/waste design	A <b>TIONS</b> al: legal person autho		y of Environmental	and Nature
13.1. 13.1.1.	N 13 DISPOSAL CONSIDER/ Waste treatment methods Product/Packaging dispos Submit for disposal to the Protection.	A <b>TIONS</b> al: legal person autho		y of Environmental	and Nature
13.1. 13.1.1. 13.1.2.	N 13 DISPOSAL CONSIDER/ Waste treatment methods Product/Packaging dispos Submit for disposal to the Protection. Waste codes/waste design	ATIONS al: legal person autho ations according to		y of Environmental	and Nature
13.1. 13.1.1.	<b>DN 13 DISPOSAL CONSIDER/</b> Waste treatment methods         Product/Packaging dispos         Submit for disposal to the Protection.         Waste codes/waste design         No information available	ATIONS al: legal person autho ations according to		y of Environmental	and Nature
13.1. 13.1.1. 13.1.2.	N 13 DISPOSAL CONSIDER/         Waste treatment methods         Product/Packaging dispos         Submit for disposal to the Protection.         Waste codes/waste design         No information available         Waste treatment – relevant	ATIONS al: legal person autho ations according to t information:		y of Environmental	and Nature



		-	Jeneral and the galaxy		Page 14	of 16
Trading r	name:		HEMAT	OXYLIN G2		
Product of	code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8
13.1.5.	Other di	sposal recommendatio	ons:			
	authorize the pack	ed by the ministry in cl	s remains into the seway harge. Do not dispose of authorized by the minis	f the packaging into the	e sewage syster	m. Submit
13.1.6.	Relevant	Community provision	s:			
	-					
1						
SECTION	14 TRAN	SPORT INFORMATIO	N			
Т	ransporti	ng/shipment by road (	ADR)			
UN numb	er:		Not subject to transpo	rt regulations.		
UN prope	r shipping	g name:	-			
Transport	hazard cl	ass(es):	-			
Packing g			-		,	
Environm	entally ha	zardous:	-			
Special pr	ecautions	for user:	-			
Т	ransporti	ng/shipment by rail (Rl	ID)			
UN numb	er:		Not subject to transpo	rt regulations.		
UN prope	r shipping	g name:	-			
Transport	hazard cl	ass(es):	-			
Packing g	roup:		-			
Environm	entally ha	zardous:	-			
Special pr	ecautions	for user:	-			
l	nland wat	erway transport (ADN)				
UN numb	er:		Not subject to transpo	rt regulations.		
UN prope	r shipping	g name:	-			
Transport	hazard cl	ass(es):	-			
Packing g	roup:		-			
Environm	entally ha	zardous:	-			
Special pr	ecautions	for user:	-			
Т	ransporti	ng/shipment by sea (IN	MDG)			
UN numb	er:		Not subject to transpo	rt regulations.		
UN prope	r shipping	g name:	-			
Transport	hazard cl	ass(es):	-			
Packing g	roup:		-			
Environm	entally ha	zardous:	-			



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Trading name:	HEMATOXYLIN G2						
Product code:	HEMG2-OT-X**	Revision date:	03 April 2023	Version:	8		

Special precautions for user:	-
Transporting/shipment by air	r (ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further information: The produc	ct is not subject to classification.

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations					
	Authorization and/or restrictions of use					
	Authorizations:	-				
	Restrictions:	-				
	Other EU regulations:	<ul> <li>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;</li> <li>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 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;</li> <li>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;</li> <li>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</li> </ul>				



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Tradin	g name:		HEMAT	OXYLIN G2	-	
Product code:		HEMG2-OT-X	** Revision date:	03 April 2023	Version:	8
	National legislation:		Chemicals Act, Regulation of dangerous substances, Ordi and on biological limit value classification of waste with a Ordinance on writing Mater Substances Act	nance on occupation es, Regulation on cate a waste catalog and li	al exposure limi egories, types ar st of hazardous	t values nd waste,
15.2.	Chemical	mical safety assessment				
	None					

SECTIO	ON 16 Other information			
16.1.	Indication of changes:	-		
16.2.	Abbreviations and acronyms:	<ul> <li>ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)</li> <li>IMDG: International Maritime Code for Dangerous Goods</li> <li>IATA: International Air Transport Association</li> <li>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</li> <li>EINECS: European Inventory of Existing Commercial Chemical Substances</li> <li>CAS: Chemical Abstracts Service (division of the American Chemical Society)</li> <li>DNEL: Derived No-Effect Level (UK REACH)</li> <li>LC50: Lethal concentration, 50 percent</li> <li>LD50: Lethal dose, 50 percent</li> <li>PBT: Persistent, Bioaccumulative and Toxic</li> <li>vPvB: very Persistent and very Bioaccumulative</li> </ul>		
16.3.	Key literature references and source of data:	-		
16.4.	Classification and procedure u 1272/2008 (CLP)	sed to derive the classification for mixture according to Regulation (EC)		
Classifi	cation	Classification procedure		
-		-		
16.5.	Relevant H statements (numbe	er and full text)		
	H: 302	Harmful if swallowed.		
16.6.	Training advice:	-		
16.7.	Further information:	<ul> <li>** "X" in the product code marks different volumes (different packagings of the product)</li> <li>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.</li> </ul>		

# ANNEX: EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT

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

1.1.	Product identifier					
	Trading name:	BLUING	BLUING REAGENT			
	Chemical name:	-	-			
	Catalogue number:	BR-OT-X**				
1.2.	Relevant identified us	es of the su	ubstance or m	ixture and uses advised against		
	Uses:		For conv	ersion of red hematoxylin stained nuclei to blue.		
	Uses advised against:		Only the	identified uses are advised.		
	Reason why uses advised against: medi			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 safe	ety data sheet			
	Supplier:	Supplier: B		ioGnost Ltd.		
	Address: N		Medjugorska	Medjugorska 59, Zagreb		
	Telephone number: +		+385 1 2409	385 1 2409997		
	Fax no.: +3		+385 1 2404	-385 1 2404039		
	e-mail of competent p	person:	<u>msds@biogr</u>	sds@biognost.hr		
	National contact:	-				
1.4.	Emergency telephone	number				
	National Protection ar	nd Rescue	Directorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	ECTION 2. Hazards identification				
2.1.	Classification of the substance or	nixture			
2.1.1.	Classification according to Regula	ion (EC) No 1272/2008 (CLP)			
	Hazard class and category	code: Hazard statemer	nts*:		
	Not identified as hazardous subst	nce			
2.1.2.	Additional information				
	-				
*For ful	l text of Hazard- and EU Hazard-sta	ements: 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				
Product code: BR-OT-X**		Date of compilation:	23 January 2023	Version: 7		
Signal wo	ord:	-				
Hazard statements:		-				
Precautio	nary statements:	-				
Suppleme	etal hazard information	-				

	(EO).
2.3.	Other hazards
	Endocrine Disrupting Properties:
	No known endocrine disrupting properties.

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

SECTI	ON 4. First aid measures			
4.1.	Description of first aid measu	res		
	General notes:	-		
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well- ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to- mouth) and contact a physician.		
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.		
	Following eye contact:	<ul><li>Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.</li><li>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.</li></ul>		
	Following ingestion:			
	Self-protection of the first aid	er: Treat symptomatically.		
4.2.	Most important symptoms an	d effects, both acute and delayed		
	Following inhalation:	No information available		
	Following skin contact:	No information available		
	Following eye contact:	No information available		
	Following ingestion:	No information available		
4.3.	Indication of any immediate n	nedical attention and special treatment needed		



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

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

**SECTION 5. Firefighting measures** 5.1. Extinguishing media Small fire - water spray, dry powder, CO2 Suitable extinguishing media: 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	CTION 6. Accidental release measures				
6.1.	Personal precautions, protecti	ve equipment and emergency procedures			
6.1.1.	For non-emergency personne	1			
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.			
	Emergency procedures: Mark the area using proper signs.				
6.1.2.	For emergency responders:				
	Wear protective equipment (see Section 8).				
6.2.	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.			



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Trading name:Product code:BR-OT-X**			BLUING	BLUING REAGENT		
		BR-OT-X**	Date of compilation:	23 January 2023	Version:	7
6.3.2.	Cleaning	up:	Where possible, the substant material (sand, diatomaceo in tightly closed impermeat ventilated storage rooms un persons authorized by the M Protection. After disposal of materials with water.	us earth, vermiculite). Pla ble containers. Store the ntil disposal. Submit for o Ministry of Environmenta	ace the waste m substance in w disposal to the Il and Nature	naterial ell legal
6.3.3.	Other info	ormation:	-			
6.4.	Reference	e to other sections				
	See Section	ection 7 for information about secure handling. ection 8 for information about personal protective equipment. ection 13 for information about containment.				

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	ion:	Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		-		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. T	horou	ghly wash hands after work and before eating.		
7.2.	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	vent	o in tightly closed and upright set containers in a well ilated storage rooms, and away from sources of heat, ight, and other incompatible substances.		
	Packaging materials:	Man	lanufacturer's original packaging.		
	Rediffrements for storade rooms and vessels.		o away from food and drink. Keep the containers tly closed.		
	Advices for storage equipment:	ge equipment: The storage must be made of hard material; floors be resistant to chemicals. There must be no drain t directly leads into sewage system. Secure proper ventilation.			
	Further information on storage conditions: and che		not place the unused material in the storage room do not use empty containers for storing other nicals. Do not store with incompatible materials (see ion 9).		



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

Recommendations:	-
Industrial sector specific solutions:	-

SECTIC	ON 8. Exposur	e contro	ols/persona	l protec	tion				
8.1.	Control para	meters							
	Substance				Occupational exposure limit values/short term values		Biological limit values		
						ppm	mg/m <sup>3</sup>		
-			-			-	-	No information available	е
Substai name:	nce -								
EC No:	-		CAS No:	-					
DNEL									
					Inc	lustrial			
Router	of exposure:	A	Acute		Acut	e	Chron	ic Chron	ic
Noule	or exposure.	effe	ect local	effe	ect sys	temic	effect lo	ocal effect sys	temic
Oral		-		-			-	-	
Inhalati	ion	-		-		-	-		
Dermal		-		-			-	-	
Critical	physical parar	neters: s	olubility, fla	mmabilit	ty, cor	rosivity:	-		
					Со	nsumer			
Route	of exposure:	A	Acute		Acute	e	Chron	ic Chron	ic
Route	or exposure.	effe	ect local	effect sys		temic	effect lo	ocal effect sys	temic
Oral		-		-			-	-	
Inhalati	ion	-		-			-	-	
Dermal		-		-			-	-	
PNEC									
Enviror	nmental protec	tion tar	get			PNEC			
Fresh w	vater					No information available			
Freshw	ater sediments	5				No information available			
Marine	water					No information available			
Marine	sediments					No information available			
Food cl	hain					No infor	mation availabl	e	
Microo	rganisms in se	wage tr	eatment			No infor	mation availabl	e	
Soil (ag	pricultural)					No infor	mation availabl	e	



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

Air			No information available					
8.2.	Exposure controls							
8.2.1.	Appropriate engineering	controls	5					
	Substance/mixture relate measures to prevent exp during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.					
	Structural measures to pr exposure:	revent	No information available					
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.					
	Technical measures to pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.					
8.2.2.	Personal protection equi	oment						
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN visor.						
8.2.2.2.	Skin protection							
	Hand protection:		ctive gloves must be according to the EU Directive 2016/425/EEC and ard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min					
	Other skin protection:	Wear antistatic clothing made of natural fibers (such as cotton) with lor sleeves (EN 13034), and shoes that cover the entire foot (EN 10335).						
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a for organic vapors, type "A" (boiling point >65°C) acording to EN 7) used when concentration levels exceed GVI.					
8.2.2.4.	Thermal hazards:	No inf	formation available					
8.2.3.	Environmental exposure	controls						
	Substance/mixture relate measures to prevent exp		See Section 6					
	Structural measures to pr exposure:	revent	Use modern equipment.					
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.					
	Technical measures to pr exposure:	event	See Section 6					

**SECTION 9.** Physical and chemical properties



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

	Value	Method	
Physical state:	liquid	No information available	
Color:	ight blue	No information available	
Odour/odour threshold:	no information available/no information available	No information available	
Melting point / freezing point:	No information available	No information available	
Boiling point or initial boiling point and boiling range:	No information available	No information available	
Flammability:	No information available	No information available	
Lover and upper explosion limit:	No information available	No information available	
Flash point:	No information available	No information available	
Auto-ignition temperature:	No information available	No information available	
Decomposition temperature:	No information available	No information available	
pH:	>8.0	No information available	
Kinematic viscosity:	No information available	No information available	
Solubility:	No information available	No information available	
Partition coefficient n-octanol/water (log value):	No information available	No information available	
Vapour pressure:	No information available	No information available	
Density and/or relative density	No information available	No information available	
Relative vapour density:	No information available	No information available	
Particle characteristics:	No information available	No information available	

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

# **SECTION 11. Toxicological information**



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

	city:				
Route of exposure:	Method	Species	Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure t	ime Results
Dral exposure: No information available		-	LD <sub>50</sub>	-	-
Dermal exposure:	No information available	-	LD <sub>50</sub>	-	-
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-
Specific tar	rget organ toxicity – si	ngle exposure (	STOT SE):		
	Specif	ic effects	Target	organ	Note
Oral exposure:	No information	available	No informatio		-
Dermal exposure:	No information	available	No informatio	on available	-
Inhalation exposure	: No information	available	No informatio	on available	-
Aspiration	hazard:	No info	rmation available		
Irritation a	nd corrosion:				
Irritation a	nd corrosion: Exposure time	Species	Evaluation	Method	Note
Irritation a Skin irritation:		Species	Evaluation -	Method 	Note
1		•			Note
Skin irritation:	Exposure time	-	-		Note
Skin irritation:	Exposure time - -	-	-		Note
Skin irritation: Eye irritation:	Exposure time - -	- -	-		Note
Skin irritation: Eye irritation: Sensitizatio	Exposure time - -	- -	-		Note
Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure:	Exposure time No information avail	able	-		Note
Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure:	Exposure time	able able able able able able ause irritation o levels of concer g, aspiration ca	- - toxicological chara f mucosa, tingling s itration may cause uses coughing, diffi	  cteristics sensation in th	e mouth, burning ninal pain and vomitir



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Trading name: BL					UING REAGENT			
Product code:	BR-OT-X**		Date of compilati		on: 23 January 2023		2023	Version: 7
Inhalation exposi	lire <sup>.</sup>		large amounts eezing, headad	•	•	uately vent	tilated perime	eter may cause
Eye exposure:		Direct eye co sensation.	ntact may cau	ise slight to m	noderate	e irritation,	lacrimation a	nd burning
Repeate	ed dose	e toxicity (sub	acute, subchro	onic, chronic)				
1		Dose	Exposure time	Species	Me	thod	Evaluation	Note
Subacute oral	No availa	information able	No information available	No information available		ormation ailable	No informatio available	n -
Subacute dermal	No availa	information able	No information available	No information available		ormation iilable	No informatio available	n -
Subacute inhalation	No information available		No information available	No information available		ormation ailable	No informatio available	n -
Subchronic oral	No availa	information able	No information available	No information available		ormation iilable	No informatio available	n -
Subchronic dermal	No availa	information able	No information available	No information available		ormation iilable	No informatio available	n -
Subchronic inhalation	No availa	information able	No information available	No information available		ormation hilable	No informatio available	n -
Chronic oral	No availa	information able	No information available	No information available		ormation iilable	No informatio available	n -
Chronic dermal	No availa	information able	No information available	No information available		ormation iilable	No informatio available	n -
Chronic inhalation	No availa	information able	No information available	No information available		ormation iilable	No informatio available	n -
Specific	target	organ toxicit	y – repeated e	exposure (STC	DT RE):			
	5		pecific effects			Target org	an	Note
Subacute oral			tion available	Ν		nation ava		-
Subacute dermal		No informa	tion available	Ν	lo inforr	nation ava	ilable	-
Subacute inhalat	ion	No informa	tion available	N	lo inforr	nation ava	ilable	_



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Trading name:		BLU	ING	REAGENT			
Product code: BR-OT-X**		Date of compilat	Date of compilation: 23 January 20		Version:	7	
Subchronic oral	No informa	tion available	No ir	nformation available	-		
Subchronic derma	al No informa	tion available	No ir	nformation available	-		
Subchronic inhala	tion No informa	tion available	No ir	formation available	-		
Chronic oral	No informa	tion available	No ir	nformation available	-		
Chronic dermal	No informa	tion available	No ir	formation available	-		
Chronic inhalation	n No informa	tion available	No ir	formation available	-		
Genotox Mutager Germ cel	nicity <i>in-vitro</i> :	Current <i>in vitro</i> tes No information avai Current <i>in vivo</i> tes No information avai	<ul> <li>Current studies on test animals did not indicate carcinogenic effects.</li> <li>Current <i>in vitro</i> tests did not indicate mutagenic effects.</li> <li>No information available</li> <li>Current <i>in vivo</i> tests did not indicate mutagenic effects.</li> <li>No information available</li> <li>No toxicity on reproductive organs was determined in reproductive organs.</li> </ul>				
11.2. Informat	y of evaluation of th ion on other hazard e disrupting proper	ds:					
No know	n endocrine disrup	ting properties that affec	t hum	an health.			
11.2.2. Other inf	ormations:						
_							

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



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Trading	name:	•				BLUING	5 RE	AGENT			
Product	t code:	E	BR-OT-X**		Date	e of compilation:	2	23 January 20	)23	Vers	ion: 7
Fish			LC <sub>50</sub>	96 hou	ırs	No information available		information ailable	No informat available		-
Crustace	ea:		EC <sub>50</sub>	48 hou	ırs	No information available	_	information ailable	No informat available		-
Algae/a	quatic p	lants	IC <sub>50</sub>	72 hou	ırs	No information available		information ailable	No informat available		_
Other or	rganism	S	-	-		-	-		-		_
12.2.	Persiste	ence a	and degrada	bility							
	Abiotic	degr	adation								
		Deg	gradation ha	lf-lives		Method		Εν	aluation		Note
Marine water		No information available		vailable	No information availab		able	le No information available		ıble	-
Fresh wa	ater	No in	formation av	vailable	No information available		able	e No information available		ıble	-
Air		No in	formation av	vailable	No information available				ıble	-	
Soil		No in	formation av	vailable	No information available		e No information available		ble	-	
	Biodeg	radati	ion								
% Degr	adation		Time (day	's)		Method		Evaluation		N	lote
No infor available			o infor ailable	mation	No ir availa	nformation able		lo information vailable		informa ailable	ation
12.2	D.										
12.3.			tive potentia		t (loc	Kowi					
Value			entration	pH	°C			Evaluat	on		Note
-	N		nformation	-	-	No informatic available	on	No informa available	tion	_	
	Biocon	centra	ation factor (	BCF)	Ĩ						
Va	alue		Speci	es		Method		Evaluatior	1	١	Vote



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Trading	g name:		BLUING REAGENT									
Produc	t code:	BR-OT-X** Date of compilation:		ation:	23 January 2023 V		Ver	/ersion: 7				
No info available	information No informat ilable available		ation No information available		No information available			No information available				
	Chronic o											
	Chronic e Value		y Dose		osure me	Spe	ecies	Met	hod	Eva	aluation	Note
Chronic toxicity on fish LC <sub>50</sub>		LC <sub>50</sub>	No		No inforr availa	mation Ible	No inform availab	ation i	No nforr Ivaila	mation able	-	
	Chronic toxicity on crustacea ( <i>Daphnia</i> )		EC <sub>50</sub>	No information available		No inforr availa	mation Ible	No inform availab	ation i	No nforr Ivaila	mation able	-
12.4.	No inform	predicte ation av	ed distributi vailable	on in e	environm	ental c	compart	ments:				
	Surface te	nsion:										
			°C ormation ailable	Concentration No information available						-	N	lote
	Adsorptio	n / deco	rotion									
Transpo	urt .	V/D coef enry's co	ficient	lc	og Kow	E٧	vaporati	on rate	Metl	hod		Note
Soil-wat	er No availa		formation	No ir availa	nformatio able		o inform ailable	nation	No inforr available		on _	
Water-a	ir No availa		formation	No ir availa	nformatio able		o inform ailable	nation	No inforr available		on _	
Soil-air	No availa		formation	No ir availa	nformatio able		o inform ailable	nation			on _	
	·		:									
12.5.	Results of	PBT and	d vPvB asses	sment								
	No inform	ation av	ailable									



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

12.6.	Endocrine disrupting properti	es
	No known endocrine disrupti	ng properties that affect the environment.
12.7.	Other adverse effects	
	No adverse effects are expect	ted.
SECTION	N 13. Disposal consideration	-
13.1.	Waste treatment methods	3
13.1.	Waste treatment methods	
13.1.1.	Product/Packaging disposal	:
	Submit for disposal to the le Protection.	egal person authorized by the Ministry of Environmental and Nature
13.1.2.	Waste codes/waste designa	itions according to Law:
	No information available	
13.1.3.	Waste treatment – relevant	information:
	No information available	
13.1.4.	Sewage disposal – relevant	information:
	Waste must not be dispose	d of into the sewage system.
40.45		
13.1.5.	Other disposal recommenda	
	authorized by the ministry i	uct's remains into the sewage system. Submit the remains to the collectors n charge. Do not dispose of the packaging into the sewage system. Submit tors authorized by the ministry in charge. Do not dispose of in places where
13.1.6.	Relevant Community provis	ions:
	-	
SECTION	N 14. Transport information	
	Transporting/shipment by roa	
UN num		Not subject to transport regulations.
	er shipping name:	-
Transpo	rt hazard class(es):	-



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Trading name:	BLUING REAGENT						
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7			
				1 1			
Packing group:		-					
Environmentally ha	zardous:	-					
Special precautions	for user:	-					
Transporti	ng/shipment by rail (F	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 (ADN	)					
UN number:		Not subject to transport	regulations.				
UN proper shipping	g name:	-					
Transport hazard class(es):		-					
Packing group:		-					
Environmentally ha	zardous:	-					
Special precautions	for user:	-					
Transporti	ng/shipment by sea (l	MDG)					
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 (IC	CAO-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 product is	s not subject to classificatio	n.				



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Trading name:		BLUING I	REAGENT	
Product code:	BR-OT-X**	Date of compilation:	23 Januar	/ 2023

Version: 7

15.1.	EU regulations	nmental regulations/legislation specific for the substance or mixture
		· .·
	Authorization and/or rest	rictions of use
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	<ul> <li>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 793/9. 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;</li> <li>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 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;</li> <li>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 10 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;</li> <li>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</li> </ul>
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessme	ent
	None	

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



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

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

16.3.	Key literature references and source of data:	I -	
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		
Classifi	cation	Classification procedure	
-		-	
16.5.	Relevant H statements (number and full text)		
	H: -	-	
16.6.	Training advice:	-	
		** "X" in the product code marks different volumes (different packagings of the product)	
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX: Exposure scenario resulting to Chemical safety assessment



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Trading name:	EOSIN Y 2% ALCOHOLIC							
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2			

1.1	Product identifier				
	Trading name:	EOSIN Y 2% ALCOH		DLIC	
	Chemical name:	-			
	Catalogue number:	EOYA-20-C	)T-X**		
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	Uses:		Reagent	for cytoplasm counterstaining.	
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3	Details of the supplier 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 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 Reg	ulation (EC) No 12	272/2008 (CLP)	
	Hazard class and categ	ory code:		Hazard statements*:
	Flam. Liq. 2		H225	
2.1.2.	Additional information			
	-			
*For ful	l text of Hazard- and EU Hazard-	statements: see S	ECTION 16	
2.2	Label elements			
	Product identification:	EOSIN Y 2% ALC	COHOLIC	
	Identification number:	-		
	Authorization number:	-		



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Trading name:	EOSIN Y 2% ALCOHOLIC				
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2

	Hazard pictograms:	GHS02
	Signal word:	Danger
	Hazard statements:	H225 Highly flammable liquid and vapor.
	Precautionary statements:	<ul> <li>P210 Keep away from heat/sparks/open flames/hot surfaces Do not smoke.</li> <li>P233 Keep container tightly closed.</li> <li>P280 Wear protective gloves/protective clothing/eye/protection/face protection.</li> </ul>
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Endocrine Disrupting Prope No known endocrine disruptin Results of PBT and vPvB ass PBT or a vPvB.	

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	
64-19-7/ 200-580-7/ 607-002-00-6	-	0.2 – 0.5 %	acetic acid	Flam. Liq. 3; H226 Skin Corr. 1A; H314	

SECTI	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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Trading name:		EOSIN Y 2% ALC	ALCOHOLIC		
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2

	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.			
	Following ingestion:	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 to irritation, tearing, redness and pain.			
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.			
4.3	Indication of any immediate medi	cal attention and special treatment needed			
	-				

SECTION 5. Firefighting measures				
5.1	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub> Large fire - water spray or alcohol resistant foam		
	Unsuitable extinguishing media:	Water with full jet		
5.2	Special hazards arising from the su	ubstance or mixture		
	Hazardous combustion products:	Formation of toxic gases is possible during heating or in case of fire.		
5.3	Advice for firefighters			
	Use a self-contained open-circuit compressed air breathing apparatus and 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.			

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



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Trading name:	EOSIN Y 2% ALCOHOLIC					
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2	

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:				
	Use protective equipment; in case of inadequate ventilation use adequate airways 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 cont	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:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.			
6.3.3.	Other information:	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.				

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:				



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Trading name:	EOSIN Y 2% ALCOHOLIC					
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2	

	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms 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. Expos	ure contro	ols/perso	onal pr	otecti	on				
8.1 Control pa	rameters								
Substance	1	CA	S No	1	•		exposure limit term values		Biological limit values
					ppm		mg/m³		-
Ethanol		64	-17-5		1000/-	'-	1900/-		-
Substance name:	-								
EC No:	-	CAS No	:	-					
DNEL									
					Industr	rial			
Route of exposure:					Chronic effect local		Chronic effect systemic		
Oral	-		-		-	-			-
Inhalation	1900 mg (ethanol)		-		-	-		_	380 mg/m <sup>3</sup> (ethanol)
Dermal	-		-		-	-			343 mg/kg (ethanol)
Critical physical par	rameters: s	olubility,	flamm	ability,	, corrosiv	rity:	-		



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Trading name:	EOSIN Y 2% ALCOHOLIC					
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2	

			Co	onsu	imer		
Route of		Acute	Acute		Chronic	Chronic	
exposure	:	effect local	effect local effect systemi		effect local	effect systemic	
Oral		-	-		-	87 mg/kg bw/day (ethanol)	
Inhalation	l	950 mg/m <sup>3</sup> (ethanol)	-		-	114 mg/m <sup>3</sup> (ethanol)	
Dermal		-	-		-	206 mg/kg (ethanol)	
PNEC							
Environm	ental protec	tion target		PN	NEC		
Fresh wat	er			0.9	96 mg/l (ethanol)		
Freshwate	er sediments	5		3.6	5 mg/kg (ethanol)		
Marine wa	ater			0.7	79 mg/l (ethanol)		
Marine se	diments			2.9	) mg/kg (ethanol)		
Food chai	n			38	0-720 mg/kg (ethanol)		
Microorga	anisms in se	wage treatment		580 mg/l (ethanol)			
Soil (agric	ultural)			0.63 mg/kg (ethanol)			
Air				no information available			
8.2	Exposure	e controls					
8.2.1.	Appropri	iate engineering o	controls				
		ce/mixture relatec exposure during i		Use the product in well ventilated rooms. Use persor protective equipment. Do not eat, drink or smoke in workspace.		•	
	Structura exposure	al measures to pre e:	event	In accordance with Section 7.			
	Organisa exposure	ntional measures t e:	res to prevent		Organization of work in order to reduce other worker's influence during work process.		
Technical measures to prevent exposure: co			Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.				
8.2.2.	Personal	protection equip	ment				
8.2.2.1.	Eye and	face protection:	levels	Safety glasses that stick to face (EN 166) or visor in case of low levels of concentration in air; protective gas mask that covers t entire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin prot	tection	i.				



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Trading name:	EOSIN Y 2% ALCOHOLIC					
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2	
8						

	Hand protection:	The protective gloves have to satisfy the specification of Regulation (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min		
	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.		
8.2.2.3.	Respiratory protection:	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 information available		
8.2.3.	Environmental exposure controls			
	Substance/mixture related measures to prevent exposure:	See Section 6		
	Structural measures to prevent exposure:	Use modern equipment.		
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to prevent exposure:	See Section 6		

9.1	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	orange to pink-red	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
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available



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Trading name:	EOSIN Y 2% ALCOHOLIC				
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version: 2	

.2	Other information		
	Particle characteristics:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
	Solubility:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	pH:	5.4 -5.7	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 (room temperature).					
10.3	Possibility of hazardous reactions:	No dangerous reactions known.					
10.4	Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources.					
10.5	Incompatible materials:	No further relevant information available.					
10.6	Hazardous decomposition products:	No dangerous decompostion products known.					

SECTION 11. T	oxicological info	rmation							
11.1 Inform	Information on hazard classes as defined in Regulation (EC) No 1272/2008								
Acute	toxicity:								
Route of exposure:	Method	Species	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure tim	ne Results				
Oral:	-	rat (ethanol)	LD <sub>50</sub>	-	7.060 mg/kg				
Dermal:	-	rabbit (ethanol)	LD <sub>50</sub>	-	>20.000 mg/kg				
Inhalation:	-	rat (ethanol)	LC <sub>50</sub>	4 h	>8.000 mg/l				
Specif	ic target organ to	kicity – single exposu	ure (STOT SE):						
	S	pecific effects	Target c	organ	Note				
Oral:	al: No information available		No information available		-				
Dermal:	No informat	tion available	No information available		-				
Inhalation:	No information available		No information a	-					



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Trading name:		EOSIN Y 2% ALCO	HOLIC		
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2

Aspirati	Aspiration hazard:				No information available.					
1										
Irritation	n and o	corrosion				1	i			
		Exposur	e time	Species	Evaluation	Method	Note			
Skin corrosion/irritatio	on:	-	-		-	-	-			
Serious eye damage/irritation		-		-	-	-				
Sensitiz	ation									
Skin sensitizatior	n:	No inf	ormation avai	lable.						
Respiratory sensi	itizatio	on: No inf	ormation avai	lable.						
Sympto	ms rel	ated to the ph	ysical, chemic	al and toxicolo	gical character	stics				
Oral exposure:		No informati	on available.							
Dermal exposure	2:	No informati	on available.							
Inhalation expos	ure:	No informati	on available.							
Eye exposure:		No informati	on available.							
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chronic)						
		Dose	Exposure time	Species	Method	Evaluatio	on Note			
Subacute oral	No avail	information able	No information available	No information available	No information available	No informat available				
Subacute dermal	No avail	information able	No information available	No information available	No information available	No informat available				
Subacute No information available			No information available	No information available	No information available	No informat available				
Subchronic oral	No avail	information able	No information available	No information available	No information available	No informat available				
Subchronic dermal	No avail	information able	No information available	No information available	No information available	No informat available				



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Trading name:		EOSIN Y 2% ALC	EOSIN Y 2% ALCOHOLIC			
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2	

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 toxicity – repeated exposure (	STOT RE):	
	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	-

nicity <i>in vitro</i> : xicity: nicity <i>in vivo</i> : ell mutagenicity: uctive toxicity:	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
nicity <i>in vivo</i> : ell mutagenicity:	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
ell mutagenicity:	Based on available data, the classification criteria are not met.
<u> </u>	
uctive toxicity:	Based on available data, the classification criteria are not met.
ry of evaluation of the C ies:	MR Based on available data, the classification criteria are not met.
tion on other hazards:	
t	ary of evaluation of the C ties: ation on other hazards: 'ine disrupting properties:



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Trading name:		EOSIN Y	2% ALC	OHOLIC		
Product code:	EOYA-20-OT-X**	Date of comp	ilation:	14 November 2022	Version:	2
	vn endocrine disrupting ct human health.	properties				
11.2.2. Other inf	ormations:					

-

SECTION 12. Eco	logical informa	tion				
12.1 Toxicity						
Acute (short-term toxicity	) Dose	Dose Exposure Species Method Evalu		Evaluation	Note	
Fish	LC <sub>50</sub>	96 hours	Golden orf	No information available	nformation (ethanol)	
Crustacea:	EC <sub>50</sub>	48 hours	Daphnia magna	. Information (et		-
Algae/aquatic pla	nts IC <sub>50</sub>	4 days	No information available	No information available	5.000 mg/l / 7d (ethanol)	-
Other organisms	-	-	-	-	-	-
Chronic (long-terr toxicity	n) Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC₅0	48 hours	No information available	No information available	No information available	-
Algae/aquatic pla	nts IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
12.2 Persisten	ce and degradat	pility				
Abiotic d	egradation			1	:	
	Degradation h	alf-lives	Method	Evaluatio	'n	Note
Marine water	No information a		No information available	No informatio available	n -	



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

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Trading name:										
Product code:	EOY	4-20-OT-X*	*	Dat	e of compilat	ion:	14 Nc	vember 2022	2 Version:	
Fresh water	No infor	mation avail	able	No in availa	formation ble	No in availa	formatio	n _		
Air	Ir I No information available		No in availa	formation ble	No in availa	formation Ible	ר -			
Soil	oil No information available		No in availa	formation ble	No in availa	formation Ible	ר -			
Biodeg	radation									
% Degradatio		Time (days	)		Method		Evaluatio	n	Note	
No information available	No ava	inforn ilable	nation	No in availa	formation Ible	No in availa	formation able	n No in availa	formation ble	
10.0 Discourse										
	umulative	potential artition coeff	iciont (		A/)					
1	Concentra		H	°C	Method		Evalu	ation	Note	
		-		-	-		-	-		
Biocon	centration	factor (BCF)								
Value		Species			Method		Evaluation		Note	
No information available	No availa				No information available		No information available			
Chronie	c ecotoxic	ity								
Value		Dose	-	osure ime	Species	М	lethod	Evaluation	Note	
Chronic toxicity	on fish	LC <sub>50</sub>	No infori availa	mation able	No information available		rmation lable	No information available	-	
Chronic toxicity crustacea (Daph		EC <sub>50</sub>	No infor availa	mation able	No information available	1	rmation lable	No information available	-	



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Trading name:		EOSIN Y 2% ALCC			
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2

12.4	Mo	bility in so	il						
	Kno	wn or pre	dicted distributi	on in environment	tal c	compartments:			
	No	informatic	on available						
	Surf	face tensic	on:						
		Value	°C	Concentratio	n	Metho	od		Note
		rmation lable	No information available	No informatior available	ר 	No information available	n	-	
	Ads		desorption						
Transpo	ort		coefficient /'s constant	log Kow	Eν	aporation rate	Meth	od	Note
Soil-wa	ter	No available	information	No information available		o information ailable	No inforn available	nation	-
Water-a	air	No available	information	No information available		o information ailable			-
Soil-air	oil-air No information No information Available available available		o information vailable	No information available		-			
	_								
12.5.			and vPvB asses			· DDT			
	Bas	ed on avai	lable data, the p	product does not c	ont	ain any PBT or v	PVB substa	nces.	
12.6.	Fnd	ocrine disi	rupting properti	es					
				not contain endo	crin	e disruptors.			
	1								
12.7	Oth	er adverse	effects						
	No	adverse ef	fects are expect	ed.					
		-	consideration	S					
13.1	W	aste treat	ment methods						
13.1.1.	Pr	oduct/Pac	kaging disposa	:					
	Sı			egal person autho	rize	d by the Ministr	y of Enviroi	nmental	and Nature



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Trading name:	EOSIN Y 2% ALCOHOLIC				
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2

13.1.2.	Waste codes/waste desig	gnations according to Law:	
	15 01 10*: Packaging tha substances	at contains residual hazardous substances or is contaminated with hazardous	
13.1.3.	Waste treatment – releva	ant information:	
	No information available		
13.1.4.	Sewage disposal – releva	ant information:	
	Waste must not be dispo	osed of into the sewage system.	
13.1.5.	Other disposal recomme	endations:	
	authorized by the minist	oduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge.	
13.1.6.	3.1.6. Relevant Community provisions:		
	Disposal must be made	according to official regulations.	
SECTIO	N 14 TRANSPORT INFORM	MATION	
	Transporting/shipment by	road (ADR)	
UN num	ıber:	1170	
UN prop	per shipping name:	Ethanol solution	
Transpo	rt hazard class(es):	3	
Packing	group:	II	
Environ	mentally hazardous:	-	
Special	precautions for user:	-	
	Transporting/shipment by	rail (RID)	
UN num	ıber:	1170	
UN prop	per shipping name:	Ethanol solution	
Transpo	rt hazard class(es):	3	
Packing	group:	II	
Environ	mentally hazardous:	-	
Special	precautions for user:	-	
	Inland waterway transport	(ADN)	
UN num	ıber:	1170	
UN prop	per shipping name:	Ethanol solution	
		•	



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Trading name:		EOSIN Y 2% ALC			
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2

Packing group:	Н
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	vIDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	11
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: -	

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



National legislation:

Chemical safety assessment

15.2

None

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

				e 16 of 17			
Trading name: Product code: EOYA-20-01		EOSIN Y 2% ALCOHOLIC					
		(** Date of compilation:	Version:	2			
	egulations: n according 1999	Regulation (EC) No 1907/2006 of th 18 December 2006 concerning the Restriction of Chemicals (REACH), amending Directive 1999/45/EC and and Commission Regulation (EC) No and Commission Directives 91/155/EI Directive 2004/42/CE of the Europear on the limitation of emissions of volat solvents in certain paints and var amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April of workers from the risks related to cl Regulation (EC) No 1272/2008 of the December 2008 on classification, labe amending and repealing Directives Regulation (EC) No 1907/2006; REACH Restrictions on the manufactu dangerous substances, mixtures and /13/EC about limitation of emission	Registration, Evaluation, A establishing a European C repealing Council Regulatio 1488/94 as well as Council Di EC, 93/67/EEC, 93/105/EC and Parliament and of the Coun ile organic compounds due to nishes and vehicle refinish 1998 on the protection of the nemical agents at work; European Parliament and of Iling and packaging of substa 67/548/EEC and 1999/45/E uring, placing on the market articles (Annex XVII);	Authorisation Chemicals Age n (EEC) No 79 rective 76/769 d 2000/21/EC; cil of 21 April 2 o the use of org ing products e health and sa f the Council c inces and mixt C, and amen and use of ce	and ency 3/9: /EEC 2004 gani and afet ures ding rtain		

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

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

Substances Act



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Trading name:		EOSIN Y 2% ALCOHOLIC				
Product code:	EOYA-20-OT-X**	Date of compilation:	14 November 2022	Version:	2	

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	catior	١	Classification procedure		
-	-		-		
16.5.	Rele	evant H statements (num	ber and full text)		
		H225	Highly flammable liquid and vapor.		
	H:	H226	Flammable liquid and vapor.		
		H314	Causes severe skin burns and eye damage.		
16.6.	Trai	ning advice:	-		
			** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	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



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

<b>SECTI</b> 1.1.	Product identifier				
	Trade name:	BIO	DMOUNT NEW LOW		
	Chemical name:	-			
	Catalogue number:	BMI	NL-X**		
1.2.	Relevant identified use	Relevant identified uses of the substance or mixture 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 advised rec		registered at the A	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.	BioGnost Ltd.	
	Address:		Medjugorska !	Medjugorska 59, Zagreb	
	Telephone number:		+385 1 24099	+385 1 2409997	
	Telefax:		+385 1 24040	+385 1 2404039	
	e-mail of competent person:		: <u>msds@biognc</u>	msds@biognost.hr	
	National contact:		-	-	
1.4.	Emergency telephone numbers				
	National Protection and Rescue D		cue Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification			
2.1.	Classification of the substance or mixture			
2.1.1.	Classification according to Regula	ation (EC) No 127	72/2008 (CLP)	
	Hazard class and categor	y code:	Warning statements*:	
	Aspir. Tox. 1		H304	
2.1.2.	Additional information			
	EUH066			
* For fu	ll text of Hazard- and EU Hazard-st	tatements: see SE	ECTION 16	
2.2.	Label elements			
	Product identification:	BIOMOUNT NE	W 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:	<ul> <li>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.</li> <li>P331 Do NOT induce vomiting.</li> <li>P405 Store locked up.</li> <li>P501 Dispose of contents and container in accordance with local regulations.</li> </ul>
	Supplemetal hazard information (EU):	-
2.3.	Other hazards	
	<b>Environmental Hazards:</b> No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII. <b>Endocrine Disrupting Properties:</b> 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

SECTI	SECTION 4. First aid measures		
4.1.	Description of first aid mea	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

	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 taider	irst _	
4.2.	Most important sympt	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	diate medical attention and special treatment needed	
	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Tre appropriately.		

SECTIO	SECTION 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 subs	tance or mixture	
	Hazardous by products of fire: Sr	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		
	-		

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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	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, when applicable, H2S, or self contained breathing apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen 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 or 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 confin	of liquid spill for later recovery and disposal. Prevent entry into waterways, ed areas.
6.3.	Methods and materials for c	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					
7.1.1.	Protection measures					



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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 sh 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:	slowly in order to control possible pressure release. 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.
	Advices for storage equipment: Further information on storage conditions:	Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded



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Recomme	andations <sup>.</sup>	Section 1 informs about identifi	ed end-uses				

Recommendations:	Section 1 informs about identified end-uses.
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	
				ppm	mg/m <sup>3</sup>		
Hydrocarbons, C11-C isoalkanes, <2% aron		-		171*	1200*	No i	nformation available
* Source - material sa	afety dat	a sheet provi	ided by the ı	raw material	s supplier		
Substance: -		•					
EC No: -		CAS No:	-				
DNEL							
	1		Ir	ndustrial			
Route of exposure: Route of exposure:			Route of e	xposure:	Route of ex	posure:	Route of exposure:
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
Critical physical para	meters: s	olubility, flar	nmability, co	orrosivity:	-		
			C	onsumer			
Route of exposure:	Route exposu		Route of exposure:		Route of ex	posure:	Route of exposure:
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
PNEC							
Environmental protect	tion tar	get		PNEC			
Fresh water				No information available			
Freshwater sediments			No information available				
Marine water			No inform	nation available	<u>è</u>		
Marine sediments				No information available			
Food chain				No inform	nation available	<u>)</u>	
Microorganisms in se	wage tr	eatment		No information available			



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Soil (agric	cultural)		No information available	
Air			No information available	
	<u>.</u>			
8.2.	Exposure controls			
8.2.1.	Appropriate engineering control	s		
	Substance/mixture related measures to prevent exposure during identified uses:	protec	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:	Adequate ventilation should be provided so that exposure I 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		ction 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:	glove gaun comp level breal	olonged or repeated contact is likely, chemical-resistant es are recommended. If contact with forearms is likely, wear itlet-style gloves. Nitrile, minimum 0.38 mm thickness or parable protective barrier material with a high performance for continuous contact use conditions, permeation kthrough minimum 480 minutes in accordance with CEN dards EN 420 and EN 374.	
	Other skin protection:		olonged or repeated contact is likely, chemical, and oil tant clothing is recommended.	
8.2.2.3.	Respiratory protection:	conc healt selec regul cons Half- Com 405 recor For h respi oxyg	gineering controls do not maintain airborne contaminant entrations at a level which is adequate to protect worker h, an approved respirator may be appropriate. Respirator tion, use, and maintenance must be in accordance with latory requirements, if applicable. Types of respirators to be idered for this material include: face filter respirator Type A filter material, European mittee for Standardization (CEN) standards EN 136, 140 and provide respirator masks and EN 149 and 143 provide filter mmendations. high airborne concentrations, use an approved supplied-air rator, operated in positive pressure mode. Supplied air rators with an escape bottle may be appropriate when en levels are inadequate, gas/vapour warning properties are , 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			

۱.	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 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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	-								
SECTIO	SECTION 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.							

	xicological information		n Regulatio	on (EC) No 1272/20	08			
Acute to								
Route of exposure:	Method Sr		Species Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>		Exposure time		Results	
Oral:	No information available	rat	LD <sub>50</sub> > 5000 mg/kg		-		Minimally toxic.	
Dermal:	No information available	rabbit	LD <sub>50</sub> > 5000 mg/kg		-		Minimally toxic.	
Inhalation:	No information available	rat	LC <sub>50</sub> >	• 5000 mg/ m <sup>3</sup>	8 h		Minimally toxic.	
	•	c effects	sure (STOT	Target orga			Note	
Oral:	Specifi No information ava		larget organ No information available		_	Note		
Dermal:	No information av	ailable		No information available -		-		
Inhalation:	No information ava	ailable		No information available -		-		
Aspirati	on hazard:	for ch an de ca Fo be sw	aspiratio emical pro d also if i rived. Risl n be cont r substanc implemer	if swallowed and en, a non-quantifiable operties (i.e. viscosity t is vomited follow ts from the physice rolled by implement es classified as H30 onted to control the a hen seek immedia	e hazard y) that can ing inges ochemica ting risk 4, the foll ispiration	deter n occu tion. I haza mana owing haza	mined by physico- ur during ingestion A DNEL cannot be ards of substances agement measures. g measures need to rd. Do not ingest. If	



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	Exposure time	Species	Evaluation	Method	Note				
Skin corrosion/irritation	No information available	-	Not irritating.	-	-				
Serious eye damage/irritation	No information available	-	Not irritating.	-	-				
Sensitizatio	า								
Skin sensitization:	Not expected to be a skill st	Respiratory sensitization: Not expected to be a respiratory sensitizer.							

Symptoms	related to the physical, chemical and toxicological characteristics
Oral exposure:	May be fatal if swallowed and enters airways.
Dermal exposure:	May dry the skin leading to discomfort and dermatitis.
Inhalation exposure:	Negligible hazard at ambient/normal handling temperatures.
Eye exposure:	May cause mild, short-lasting discomfort to eyes.

Reneate	Repeated dose toxicity (subacute, subchronic, chronic)										
Nepeate	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	-					



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Chronic oral	No informatior available	No information available	No information available	No information available	No informatio available	n -				
Chronic dermal	No informatior available	No information available	No information available	No information available	No informatio available	n -				
Chronic inhalation	No informatior available	No information available	No information available	No information available	No informatio available	n -				
Spacific	target ergen tev	city repeated								
specific	target organ tox		c effects	Target	organ	Note				
Subacute oral		No information			information	-				
Subacute derma	I	No information	available	No available	information	-				
Subacute inhalat	ion	No information	available	No available	-					
Subchronic oral		No information	available	No available	information	-				
Subchronic derm	nal	No information	available	No available	information	-				
Subchronic inhal	ation	No information	available	No available	information	-				
Chronic oral		No information	available	No available	-					
Chronic dermal		No information	available	No available	information	-				
Chronic inhalatic	n	No information	available	No available	information	-				
CMP of	fects (carcinogen	city: mutagenic	ity: reproductivo	toxicity)						
	genicity:	ery, matageme	Not expec	; reproductive toxicity) Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to						
Mutage	nicity <i>in-vitro</i> :			ition available						
Genoto	xicity:		No informa	ation available						
Mutage	nicity <i>in-vivo</i> :		No informa	ation available						
Germ ce	ell mutagenicity:		for structur	Not expected to be a germ cell mutagen. Based on test dat for structurally similar materials. Test(s) equivalent or simila to OECD Guideline 471 473 474 476 478 479.						



11.2.2. Other informations:

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

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						5					
Trade name:		BIOMOUNT NEW LOW									
Produc	Product code: BMNL-X** Date of c		Date of co	mpilation:	14 November 2022	Version:	4				
	Reproduct Summary properties		the CMR	data for sti similar to O	ed to be a reproductive t ructurally similar materials ECD Guideline 413 414 41 tion available	s. Test(s) eq					
11.2.	Informatic	on on other hazards:									
11.2.1.	Endocrine	e disrupting properties:									
		endocrine disruptin human health.	g properties								

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. Ecological information										
12.1. Toxicity										
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note				
Fish:	LC <sub>50</sub>	96 hours	Oncorhynchus mykiss	No information available	-	1000 mg/l				
Crustacea:	EC <sub>50</sub>	48 hours	Daphnia magna	No information available	-	1000 mg/l				
Algae/aquatic plants:	IC <sub>50</sub>	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 <sub>50</sub>	96 hours	No information available	No information available	-	-				
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-				



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Trade na	me: BIOMOUNT NEW LOW								
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Algae/aquatic plants:		IC <sub>50</sub> 72 hour		No urs information available		No information available	-	-	
Other organisms:		-	21 day	/(s)	Daphnia magna	-	-	NOELR 1 mg/l	
12.2. P	ersistend	e and degradab	oility						
A	biotic de	egradation				1			
		Degradation ha	alf-lives		Method	Evaluatio	n	Note	
Marine wa	ater N	lo information a	vailable		information ilable	No informatior available	י -		
Fresh wate	er N	lo information a	vailable		information ilable	No informatior available	י -		
Air	r No information avai		vailable	No information available		No information available		-	
Soil	Soil No information ava		vailable	able No information available		No information available			
В	liodegrad	dation							
% Degrad	lation	Time (days	5)	Method		Evaluation		Note	
Percent Degraded similar ma		28 day (s)	day (s)		gradability )	No information available		Expected to be inherently biodegradable	
12.3. B	lioaccum	ulative potentia							
		vater partition c		t (log K	low)				
Value	C	oncentration	рН	°C	Method	Evalu	ation	Note	
> 4		information ailable	-	-	Estimated	No inforr available	nation	No information available	
R	lioconce	ntration Factor (	BCF)						
			/						



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nauer	name:					BIO	NOUN	NT NEW LOW				
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No info availabl	ormation le	No information available			No information available		on	No information available		No information available		on
	Chronic e Value	ecotoxi	Dose		osure ime	Spe	ecies	Method	Eva	luation		Note
Chronic	toxicity o	n fish	LC <sub>50</sub>	No inforr availa	nation ble	No inforr availa	mation able	No information available	No information available		No ex	ot pected.
Chronic toxicity on crustacea (Daphnia)		EC <sub>50</sub>		o Nc ormation inf		mation able	No information available	No information available		No ex	ot pected.	
12.4.	Mobility Known o		cted distribu	tion in	anviranm							
		-			environm	nental o	compart	ments:				
	Surface t	ension:	•				compart			N	ote	
	Surface t Value No informati available	ension:		tion N	Concentr No inform available	ation		Method	pa N to	N ighly volati artition rap ot expected sediment astewater s	idly t d to and	to air. partitio
	Value No informati	ion	°C No informa available	tion N	Concentr No inform	ation	No inf	Method	pa N to	ighly volati artition rap ot expected sediment	le, w idly t d to and	to air. partitio
Transpc	Value No informati available Adsorptio	ension:	°C No informa available	tion N	Concentr No inform available	ation	No inf	Method	pa N tc w	ighly volati artition rap ot expected sediment	le, w idly t d to and	to air. partitio
Transpo Soil-Wa	Value No informati available Adsorptio	ion / de A/D Henry	°C No informa available esorption coefficient		Concentr No inform available	ation nation g Kow	No inf	Method Formation ble	pa N tc w	ighly volati artition rap ot expected sediment astewater s ethod ormation	le, w idly t d to and	to air. partitio s.



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Soil-Air No information available			No information available	intormation	information ilable
12.5.	Results	s of PBT and vPvB assess	ment		
	Materi	al does not meet the Rea	ach Annex XIII criteria for Pl	BT or vPvB.	
12.6.		rine disrupting propertie	s g properties that affect the	environment.	
12.7.	Other	adverse effects			
	No adv	verse effects are expecte	d.		
SECTIO	NI 12 D	isposal considerations			
13.1.		e treatment methods			
13.1.1.	Prod	uct/Packaging disposal:			
	Prote	ection. Do not dispose o ctors authorized by the	f the product's remains into	the sewage system	Environmental and Nature a. Submit the remains to the backaging into the sewage
13.1.2.	Wast	e codes/waste designati	ons according to Law		
	The cons	European Waste Catalo tituents. Determine the	gue (EWC) code is specifi	eria provided in the	nerating process and waste European Waste Catalogue /EC, as amended.
13.1.3.	Wast	e treatment – relevant ir	nformation:		
			pased on material as supplie ons, and material characteris	•	in accordance with current sal.
13.1.4.	Sewa	ige disposal – relevant ir	nformation:		
	Prod	uct is suitable for burnin			e or disposal by supervised combustion products.
13.1.5.	Othe	r disposal recommendat	ions:		
10.1.0.	0.10				



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

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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 drum 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 license contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZ SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATH ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.		
13.1.6.	.6. Relevant Community provisions:		
	-		
SECTIO	N 14. Transport information	n .	
520110	Transporting/shipment by		
UN num		Not subject to transport regulations.	
UN prop	per shipping name:	-	
	ort hazard class(es):	-	
Packing	group:	-	
Environ	mental hazards:	-	
Special	precautions for user:	-	
	Transporting/shipment by	rail (RID)	
UN num	nber:	Not subject to transport regulations.	
UN prop	per shipping name:	-	
Transpo	ort hazard class(es):	-	
Packing	group:	-	
Environ	mental hazards:	-	
Special precautions for user:		-	
	Transporting/shipment by	inland waterways (ADN)	
UN num	nber:	Not subject to transport regulations.	
UN prop	per shipping name:	-	
Transpo	ort hazard class(es):	-	
Packing group:		-	
Environ	mental hazards:	-	
Special precautions for user:		-	
	Transporting/shipment by	sea (IMDG)	
UN number:		Not subject to transport regulations.	
	per shipping name:	-	
•	ort hazard class(es):	-	
Packing group:		-	



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Environmental hazards:		-		
Special precautions for user:		-		
Transport in bulk according to Annex of MARPOL73/78 and the IBC code:		-		
Transporti	rting/shipment by air (ICAO-TI/IATA-DGR)			

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

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	EU regulations Authorisations and/or restrictions on use	
	Authorisations:	-
	Restrictions:	-
	Other EU regulations:	<ul> <li>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;</li> <li>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 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;</li> <li>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;</li> <li>REACH Restrictions on the manufacturing placing on the market and use of certain</li> </ul>
		REACH Restrictions on the manufacturing, placing on the market and use of ce dangerous substances, mixtures and articles (Annex XVII);



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

SECTIC	ON 16. Other information	
16.1.	Indication of changes:	-
16.2.	Abbreviations and acronyms:	<ul> <li>ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)</li> <li>IMDG: International Maritime Code for Dangerous Goods</li> <li>IATA: International Air Transport Association</li> <li>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</li> <li>EINECS: European Inventory of Existing Commercial Chemical Substances</li> <li>CAS: Chemical Abstracts Service (division of the American Chemical Society)</li> <li>DNEL: Derived No-Effect Level (UK REACH)</li> <li>LC50: Lethal concentration, 50 percent</li> <li>LD50: Lethal dose, 50 percent</li> <li>PBT: Persistent, Bioaccumulative and Toxic</li> <li>vPvB: very Persistent and very Bioaccumulative</li> </ul>
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.	6. Training advice: -	
16.7.	Further information:	<ul> <li>** "X" in the product code marks different volumes (different packaging of the product)</li> <li>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.</li> </ul>

# ANNEX: Exposure scenario resulting to Chemical safety assessment