

#### RAPID PAP STAINING KIT

The kit contains:

Histanol 95

Deionized water

Hematoxylin HP, Pap 1A

Bluing reagent

OG-6 reagent, Pap 2A

EA 50 reagent, Pap 3B

Histanol 100

**BioClear New** 

**BioMount New Low** 



Page 1 of 19

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

1.1.		the su	bstance/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trade name:	BIO	CLEAR NEW		
	Chemical name:	-			
	Catalogue number:	BCN	I-X**		
1.2.	Relevant identified use	es of th	ne substance or mix	ture and uses advised against	
	Uses:		Xylene substitute ι	used as clearing agent.	
	Uses advised against:		Only the identified	uses are advised.	
	Reason why uses advised reg		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	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.	BioGnost Ltd.	
	Address:	Address:		Medjugorska 59, Zagreb	
	Telephone number:		+385 1 24099	+385 1 2409997 +385 1 2404039	
	Telefax:		+385 1 24040		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-	-	
1.4.	Emergency telephone numbers				
	National Protection ar	nd Res	cue Directorate:	112	
	Medical information:			+385 1 2348 342	
	Medical Illiornation.				

SECTIO	ON 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to F	Regulation (EC) No 12	72/2008 (CLP)		
	Hazard class and ca	tegory code:	Warning statements*:		
	Aspir. Tox. 1		H304		
2.1.2.	Additional information				
	EUH066				
* For f	ull text of Hazard- and EU Haz	ard-statements: see S	ECTION 16		
2.2.	Label elements				
	Product identification:	BIOCLEAR NEV	V		
	Identification number:	-			
	Authorisation number:	-			



**Endocrine Disrupting Properties:** 

No known endocrine disrupting properties.

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

Page 2 of 19

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

Hazard pictograms:	GHS08				
Signal word:	Danger				
Hazard statement:	H304 May be fatal if swallowed and enters airways.  EUH066 Repeated exposure may cause skin dryness or cracking.				
Precautionary statements:	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents and container in accordance with local regulations.				
Supplemetal hazard information (EU):	-				
2.3. Other hazards					
Physical / Chemical Hazards:					
	Material can accumulate static charges which may cause an ignition. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited. Combustible.				
Health Hazards	Health Hazards:				
ricardi riazaras.					
	dryness or cracking. May be irritating to the eyes, nose, throat, and lungs.				

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			

No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII.

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.			



Page 3 of 19

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

	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 aider	first	-		
4.2.	Most important sympt	oms a	nd effects, both acute and delayed		
	Following inhalation:	No i	mportant symptoms or effects.		
	Following skin contact:	No i	mportant symptoms or effects.		
	Following eye contact:	No i	mportant symptoms or effects.		
	Following ingestion:	No i	mportant symptoms or effects.		
4.3.	Indication of any imme	ediate	medical attention and special treatment needed		
	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriate				

SECTION	ECTION 5. Firefighting measures					
5.1.	Extinguishing media					
	Suitable extinguishing media:	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.				
	Unsuitable extinguishing media:	Straight streams of water				
5.2.	Special hazards arising from the sub	ostance or mixture				
	Hazardous by products of fire:	Smoke, fume, incomplete combustion products, carbon oxides.				
5.3.	Advice for firefighters	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



Page 4 of 19

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

6.1.1.	For non-emergency personne			
	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 methods	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 of sewers, basements or confine	of liquid spill for later recovery and disposal. Prevent entry into waterways, d areas.		
6.3.	Methods and materials for co	ntainment 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.	I leaning lin.	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



Page 5 of 19

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

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	n: 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 wa	s, 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 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			



Page 6 of 19

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

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

8.1. Control para	ameters						
Substance		CAS No		Occupational exposure limit values/short term values		Biological limit values	
				ppm	mg/m³		
Hydrocarbons, C11-0 isoalkanes, <2% aron		-		171*	1200*	No	information available
* Source - material sa	afety dat	a sheet provi	ided by the	raw materia	ıls supplier		
Substance: -							
EC No: -		CAS No:	-				
DNEL							
			I	ndustrial			
Route of exposure:	Route exposi		Route of e	exposure:	Route of ex	posure:	Route of exposure:
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
Critical physical para	meters: s	solubility, flar	nmability, c	orrosivity:	-		
			C	Consumer			
Route of exposure:	Route exposi		Route of e	exposure:	Route of ex	posure:	Route of exposure:
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
PNEC							
Environmental protection target			PNEC				
Fresh water			No information available				
Freshwater sediment	S			No information available			
Marine water			No information available				
Marine sediments			No information available				
Food chain		-		No information available			



Page 7 of 19

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

Microorg	anisms in sewage treatment		No information available		
Soil (agric	cultural)		No information available		
Air			No information available		
8.2.	Exposure controls				
8.2.1.	Appropriate engineering control	S			
	Substance/mixture related measures to prevent exposure during identified uses:	equipr	t eat, drink or smoke in the workspace. Use personal protective ment. Wash hands after handling the product and before and/or drinking.		
	Structural measures to prevent exposure:		ate ventilation should be provided so that exposure limits are ceeded. Use explosion-proff ventilation equipment.		
	Organisational measures to prevent exposure:	_	ization of work in order to reduce other worker's influence work process.		
	Technical measures to prevent exposure:	See Section 7.2			
8.2.2.	Personal protection equipment:				
8.2.2.1.	Eye and face protection:	If cont	act is likely, safety glasses with side shields are recommended.		
8.2.2.2.	Skin protection				
	Hand protection:	are re style prote conti minii	clonged or repeated contact is likely, chemical-resistant gloves ecommended. If contact with forearms is likely, wear gauntlet-gloves. Nitrile, minimum 0.38 mm thickness or comparable ective barrier material with a high performance level for inuous contact use conditions, permeation breakthrough mum 480 minutes in accordance with CEN standards EN 420 EN 374.		
	Other skin protection:	•	rolonged or repeated contact is likely, chemical, and oil tant clothing is recommended.		
8.2.2.3.	Respiratory protection:	If engineering controls do not maintain airborne contamin concentrations at a level which is adequate to protect work health, an approved respirator may be appropriate. Respiration selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to considered for this material include:  Half-face filter respirator Type A filter material, Europ Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide fir recommendations.  For high airborne concentrations, use an approved supplied respirator, operated in positive pressure mode. Supplied respirators with an escape bottle may be appropriate when oxyglevels are inadequate, gas/vapour warning properties are poor if air purifying filter capacity/rating may be exceeded.			



Page 8 of 19

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

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

9.1.	Information on basic physical ar	nd 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	
	Lower and upper explosion limit:	lower: 0.6 upper: 6.0	Extrapolated	
	Flash point:	68 °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:	1.3 cSt (1.3 mm <sup>2</sup> /sec) at 40 °C 1.74 cSt (1.74 mm <sup>2</sup> /sec) at 20 °C	Calculated	
	Solubility:	Negligible	No information available	
	Partition coefficient noctanol/water (log value):	> 4	Estimated	
	Vapour pressure:	0.04 kPa (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 101 kPa (Air=1)	Calculated	
	Particle characteristics:	Median particle size	Not applicable	



Page 9 of 19

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

9.2.	Other information				
	Evaporation rate: 0,0 Explosive properties: No		n-butyl acetate = 1)	Calculated	
				No information available	
	Oxidising properties:	None		No information available	
	Density (at 15 °C):	760 kg	J/m³	ISO 12185	
	Pour Point:	< -114	· °C	ASTM D5950  Calculated  No information available	
	Molecular Weight:	165 g/	mol mol		
	Hygroscopic:	No			
	Coefficient of Thermal Expansion:	0.0009	8 per Deg C	Calculated	
		·			
SECTION	ON 10.: Stability and reactivit	y			
10.1.	Reactivity: Chemical stability:		See sub-section below.		
10.2.			The product is stable un	der normal conditions.	
10.3.	Possibility of hazardous reac	tions:	Hazardous polymerization	on will not occur.	

10.1.	Reactivity:	See sub-section below.
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 oxidisers.
10.6.	Hazardous decomposition products:	Material does not decompose at ambient temperatures.

SECTION 11. Toxicological information											
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008											
Acute tox	Acute toxicity:										
Route of exposure:	Method	Species	Species Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>		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.						
Specific to	Specific target organ toxicity - single exposure (STOT-SE):										

	Specific effects	Target organ	Note
Oral:	No information available	No information available	-
Dermal:	No information available	No information available	-
Inhalation:	No information available	No information available	-



Page 10 of 19

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

Product code:	BCN-X**	Date of	compilation:	14 Novembe	r 2022 Ve	ersion: 7
Aspiration hazard:			espiration, a no chemical propert and also if it is derived. Risks fro be controlled by substances classi mplemented to	n-quantifiable ies (i.e. viscosity vomited following the physicoche implementing fied as H304, the control the asp	hazard determ  /) that can occu  ing ingestion. A  nemical hazards  risk management  ne following me  poiration hazard.	tes to potential for ined by physico-r during ingestion DNEL cannot be of substances can ent measures. For asures need to be Do not ingest. If on. Do NOT induce
Irritatio	on and corrosion	n				
		Exposure time	Species	Evaluation	Method	Note
Skin corrosion/irritat	ion No info	ormation available	-	Not irritating.	-	-
Serious eye damage/irritatio	n No info	ormation available	-	Not irritating.	-	-
Skin sensitization Respiratory sensitization:	n: Not exp	pected to be a skin				
Sympto	oms related to t	the physical, chemi	cal and toxicolog	gical characteris	tics	
Oral exposure:		tal if swallowed and				
Dermal exposur Inhalation exposure:	<del>-</del>	he skin leading to c e hazard at ambient				
Eye exposure:	May cause	e mild, short-lasting	g discomfort to e	eyes.		
Repeat	ed dose toxicity	y (subacute, subchr	onic, chronic)			
, ,	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No informat available	ion No information available	No information available	No information available	No information available	-
Subacute dermal	No informat available	ion No information available	No information available	No information available	No information available	-



Page 11 of 19

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

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

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

	Specific effects	Targe	t organ	Note
Subacute oral	No information available	No available	information	-
Subacute dermal	No information available	No available	information	-
Subacute inhalation	No information available	No available	information	-
Subchronic oral	No information available	No available	information	-
Subchronic dermal	No information available	No available	information	-
Subchronic inhalation	No information available	No available	information	-
Chronic oral	No information available	No available	information	-
Chronic dermal	No information available	No available	information	-



Page 12 of 19

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

Chronic	inhalation	No information ava	ilable	No available	information	-	
	CMR effects (carcinog	enicity; mutagenicity;	reproductive to	oxicity)			
	Carcinogenicity:		Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453.				
	Mutagenicity in-vitro:		No information	on available			
	Genotoxicity:		No information	on available			
	Mutagenicity in-vivo:		No information	on available			
	Germ cell mutagenicit	y:	Not expected to be a germ cell mutagen. Based on test da for structurally similar materials. Test(s) equivalent or simil to OECD Guideline 471 473 474 476 478 479.				
	Reproductive toxicity:		Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent c similar to OECD Guideline 413 414 415.				
	Summary of evaluation properties:	tion of the CMR	No information	on available			
11.2.	Information on other I	nazards:					
11.2.1.	Endocrine disrupting p	properties:					
	No known endocrine that affect human hea						
11.2.2.	Other informations:						
	Other informations:  Vapour concentration above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anasthetic may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.						

SECTION 12. 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			



Page 13 of 19

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

Algae/aquatic plants: IC <sub>50</sub> 72		72 hour	rs .	Pseudokirchne riella subcapitata	No information available	_		1000 mg/l	
Other organisn	ns:	-	-		-	-	-		-
Chronic (long- term) toxicity		Dose	Exposi time		Species	Method	Eva	luation	Note
Fish:		LC <sub>50</sub>	96 hour	<b>S</b>	No information available	No information available	-		-
Crustacea:		EC <sub>50</sub>	48 hour	´S	No information available	No information available	_		-
Algae/aquatic plants:		IC <sub>50</sub>	72 hour	<b>°</b> S	No information available	No information available	-		-
Other organisn	ns:	-	21 day(s	s)	Daphnia magna	-	-		NOELR 1 mg/l
		and degradab	ility						
			ility						1
	c degr	and degradab radation degradation ha	-		Method	Evaluation			Note
Abioti	c degr D	radation	alf-lives	ava	Method information ilable	No information available		-	Note
Abioti	c degr D No	radation egradation ha	alf-lives vailable	ava No	Method information	No information		-	Note
Abioti Marine water Fresh water	D No	radation regradation ha	alf-lives vailable vailable	ava No ava No	Method information ilable information	No information available  No information			Note
	No No	radation regradation ha information a information a	alf-lives vailable vailable vailable	Ava No ava No ava	Method information ilable information ilable information	No information available  No information available  No information		-	Note
Abioti  Marine water  Fresh water  Air  Soil	No No	radation regradation had information a information a information a	alf-lives vailable vailable vailable	Ava No ava No ava	Method information ilable information ilable information ilable information	No information available No information available No information available No information available		-	Note
Abioti Marine water Fresh water Air	No No gradat	radation regradation had information a information a information a	vailable vailable vailable vailable vailable	Ava No ava No ava	Method information ilable information ilable information ilable information	No information available No information available No information available No information available		-	Note



Page 14 of 19

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

12.3.		ulative potentia rater partition of		nt (log Ko	ow)						
Val	ue Co	ncentration	рН	°C	Me	thod		Evalua	ation		Note
> 4		information ilable	-	-	Estimate	d		No inform available	nation	No info	ormation le
	Pioconcon	tration Factor	(PCE)								
\ \	/alue	Speci			Method	l		Evaluation	on.		Note
	rmation	No information		No ii	nformatio			o information		No inforr	mation
	Chronic ed		E	kposure	Sno	ecies		Method	Ev.	aluation	Note
Chronic	toxicity on			No information available		nation ble	No inf			formation	Not expected.
	toxicity on ea (Daphnia	) EC <sub>50</sub>	1	No information available		nation ble		o formation railable	No in availa	formation ble	Not expected.
12.4.	Mobility ir	n soil									
	Known or	predicted distr	ibution i	n enviroi	nmental c	ompartr	mer	nts:			
	Surface te	nsion:									
	Value	°C		Concer	ntration		M	lethod		N	lote
l intormation		No infor available	mation			No information available		p e s	Highly volatile, will partition rapidly to air. expected to partition to sediment and wastewar solids.		



Page 15 of 19

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

Transpo	A/D coefficient	log Kow	Evaporation	Method	Note
панърс	Henry's constant	log Row	rate	IVIETIO	Note
Soil-Wa	nter No information available	No information available	No information available	No information available	<b>–</b>
Water- <i>F</i>	Air No information available	No information available	No information available	No information available	-
Soil-Air	No information available	No information available	No information available	No information available	-
12.5.	Results of PBT and vPvB assessi				
	Material does not meet the Rea	ch Annex XIII criteria for PB	T or vPvB.		
12.6.	Endocrine disrupting properties				
	No known endocrine disrupting	properties that affect the	environment.		
12.7.	Other adverse effects				
	No adverse effects are expected	d.			
	'				
SECTIO	N 13. Disposal considerations				
13.1.	Waste treatment methods				
13.1.1.	Product/Packaging disposal:				
	Submit for disposal to the Protection. Do not dispose of collectors authorized by the r	the product's remains into	the sewage sy	stem. Submit the r	emains to the
13.1.2.	Waste codes/waste designation	ons according to Law:			
	The European Waste Catalo constituents. Determine the E the hazardous waste list estab	WC according to the criteria	provided in th	e European Waste	
13.1.3.	Waste treatment – relevant in	formation:			
	Disposal recommendations b		d. Disposal mu	st be in accordance	with current



Page 16 of 19

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

13.1.4.	Sewage disposal – relevant information:					
	_	in an enclosed controlled burner for fuel value or disposal by supervised eratures 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 provision	ns:				
<del> </del>	-					
SECTION	14. Transport information					
٦	Transporting/shipment by road (	(ADR)				
UN numb	er:	Not subject to transport regulations.				
UN prope	er shipping name:	-				
Transport	hazard class(es):	-				
Packing g	roup:	-				
Environm	ental hazards:	-				
Special pr	recautions for user:	-				
٦	Transporting/shipment by rail (R	XID)				
UN numb	er:	Not subject to transport regulations.				
UN prope	er shipping name:	-				
Transport	hazard class(es):	-				
Packing g	roup:	-				
Environm	ental hazards:	-				
Special precautions for user:		-				
7	Fransporting/shipment by inland	d waterways (ADN)				
UN number:		Not subject to transport regulations.				
UN prope	er shipping name:	-				
Transport	hazard class(es):	-				
Packing g	roup:	-				
Environm	ental hazards:	-				



Page 17 of 19

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

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

SECTIO	CTION 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:	-			



Page 18 of 19

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

5.2. Chemical safety assessm	ent
National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
Information according 19 guideline)	999/13/EC about limitation of emissions of volatile organic compounds (VOC-
Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/9 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; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2000 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;  Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safet of workers from the risks related to chemical agents at work;  Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 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;  REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVIII);

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



Page 19 of 19

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

		ADR: Accord relatif au transport international des marchandises dangereuses par
16.2.	Abbreviations and acronyms:	route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals  EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:	-
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)
Classifi	cation	Classification procedure
-		_
16.5.	Relevant H statements (num	ber and full text)
	H: 304	May be fatal if swallowed and enters airways.
	(EUH066)	Repeated exposure may cause skin dryness or cracking.
16.6.	Training advice:	-
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging of the product)  We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

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



Page 1 of 19

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

1.1.	Product identifier					
	Trade name:	BIO	MOUNT NEW LOW	1		
	Chemical name:	-				
	Catalogue number:	ВМ	NL-X**			
1.2.	Relevant identified use	es of t	he substance or mi	xture and uses advised against		
	Uses:		For covering micro	oscope sections and mounting covering glasses.		
	Uses advised against:		Only the identified	d uses are advised.		
	Reason why uses advis	sed	registered at the	the product is intended for use only as an <i>in vitro</i> diagnostic medical device, egistered at the Agency for Medicinal Products and Medical Devices and here is no reason to use it for other purposes.		
1.3.	Details of the supplier	of the	e safety data sheet			
	Supplier:		BioGnost Ltd.	BioGnost Ltd.		
	Address:		Medjugorska	Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039		
	Telephone number:		+385 1 24099			
	Telefax:		+385 1 24040			
	e-mail of competent person:		: <u>msds@biogn</u>	msds@biognost.hr		
	e man or competent p	C13011				
	National contact:	(C13011	-			
1.4.			-			
1.4.	National contact:	numb	- pers	112		
1.4.	National contact: Emergency telephone	numb	- pers			

SECTIO	TION 2. Hazards identification				
2.1.	Classification of the substan	ce or mixture			
2.1.1.	Classification according to F	Regulation (EC) No 12	72/2008 (CLP)		
	Hazard class and ca	tegory code:	Warning statements*:		
	Aspir. Tox. 1		H304		
2.1.2.	Additional information				
	EUH066				
* For f	ull text of Hazard- and EU Haz	ard-statements: see S	ECTION 16		
2.2.	Label elements				
	Product identification:	BIOMOUNT NI	EW LOW		
	Identification number:	-			
	Authorisation number:	-			



Page 2 of 19

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

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

SECTION 3. Co	SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
- 920-901-0 -	01-2119456810-40	60 – 80 %	Hydrocarbons, C11- C13, isoalkanes, <2% aromatics	Aspir. tox. 1; H304 EUH066			

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:	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.			



Page 3 of 19

Trade name:					
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.	
			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 symptom	important symptoms and effects, both acute and delayed		
	Following inhalation:	No i	mportant symptoms or effects.	
	Following skin contact:	No i	mportant symptoms or effects.	
	Following eye contact:	No i	mportant symptoms or effects.	
	Following ingestion:	No i	important symptoms or effects.	
4.3.	Indication of any immediate medical attention and special treatment needed			
	If ingested, material ma	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.		

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

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
	Protective equipment:	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.			



Page 4 of 19

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

	Accident prevention methods:  Accide					
	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.					

SECTIO	ECTION 7. Handling and storage					
7.1.	Precautions for safe handling					
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).				



Page 5 of 19

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

	Measures to prevent aerosol and dust generation	n: 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:						
	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.						
7.2.	Conditions for safe storage, including any incom	patibilities					
	Technical measures and storage conditions:	Keep in a cool and well-ventilated area.					
	Packaging materials:	Teflon, polypropylene, stainless steel, carbon steel.					
	i ackaging materials.	Teflon, polypropylene, stainless steel, carbon steel.					
	Requirements for storage rooms and vessels:	Teflon, polypropylene, stainless steel, carbon steel.  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.					
		The type of container used to store the material may affect static accumulation and dissipation. Keep container closed. Handle containers with care. Open					
	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.  Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded					
7.3.	Requirements for storage rooms and vessels:  Advices for storage equipment:	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.  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.  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),					
7.3.	Requirements for storage rooms and vessels:  Advices for storage equipment:  Further information on storage conditions:	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.  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.  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					



Page 6 of 19

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

SECTION 8. Ex	posur	e contr	ols/personal	protection	ı			
		meters	<u> </u>	<u> </u>				
Substa	Substance		CAS No		Occupational exposure limit values/short term values		Biological limit values	
					ppm	mg/m³		
Hydrocarbons, isoalkanes, <2%			-		171*	1200*	No	information available
* Source - mate	erial sa	fety dat	a sheet provi	ided by the	raw materia	ls supplier		
Substance: -								
EC No:	-		CAS No:	-				
DNEL								
				lı	ndustrial			
Route of exposure:		Route exposi		Route of e	xposure:	Route of ex	posure:	Route of exposure:
Oral -		-		-		-		-
Inhalation -		-		-		-		-
Dermal		-		-		-		-
Critical physical	parar	neters: s	solubility, flar	nmability, co	orrosivity:	-		
				С	onsumer			
Route of exposi	ure:	Route exposi		Route of exposure:		Route of ex	posure:	Route of exposure:
Oral		-		-		-		-
Inhalation		-		-		-		-
Dermal		-		-		-		-
PNEC								
Environmental <sub>I</sub>	protec	tion tar	get		PNEC			
Fresh water					No information available			
Freshwater sedi	iments	5			No information available			
Marine water					No information available			
Marine sediments				No information available				
Food chain				No information available				
Microorganisms in sewage treatment				No information available				
Soil (agricultura	al)				No inforn	nation available	<u>)</u>	
Air					No inforn	nation available	,	



Page 7 of 19

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

8.2.1. Appropriate engineering controls  Substance/mixture related measures to prevent exposure during identified uses:  Structural measures to prevent exposure:  Organisational measures to prevent exposure:  Technical measures to prevent exposure:  Technical measures to prevent exposure:  Technical measures to prevent exposure:  See Section 7.2  8.2.2. Personal protection:  Skin protection:  If contact is likely, safety glasses with side shields are recommended.  See Section 7.2  Skin protection:  If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntletstyle gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection:  Respiratory protection:  Respiratory protection:  Respiratory protection:  Substance/mixture related equipment. Wash hands after handling the product and before eating and/or drinking.  Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proff ventilation equipment.  Organisational measures to prevent exposure:  Do not eat, drink or smoke in the workspace. Use personal product and before eating and/or drinking.  Adequate ventilation should be provided so that exposure limits are eating and/or drinking.  See Section 7.2  If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntleter style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection:  If prolonged or repeated contact is likely, chemic	8.2.	Exposure controls				
Substance/mixture related measures to prevent exposure during identified uses:  Structural measures to prevent exposure eating and/or drinking.  Structural measures to prevent exposure:  Organisational measures to prevent exposure:  Technical measures to prevent exposure:  Technical measures to prevent exposure:  Technical measures to prevent exposure:  See Section 7.2  Skin protection  If contact is likely, safety glasses with side shields are recommended.  B.2.2.1 Sy pand face protection:  If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection:  If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material. European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied-air respirators, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, ags/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.  No information available.		·				
exposure: not exceeded. Use explosion-proff ventilation equipment.  Organisational measures to prevent exposure: See Section 7.2  8.2.2. Personal protection equipment:  8.2.2.1. Eye and face protection: If contact is likely, safety glasses with side shields are recommended. 8.2.2.2. Skin protection  If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection: If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air 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.  No information available.		Substance/mixture related measures to prevent exposure	Do not eat, drink or smoke in the workspace. Use personal protective equipment. Wash hands after handling the product and before			
prevent exposure:  Technical measures to prevent exposure:  See Section 7.2  8.2.2. Personal protection equipment:  8.2.2.1. Eye and face protection:  If contact is likely, safety glasses with side shields are recommended.  8.2.2.2. Skin protection  If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection:  If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirator, operated in positive pressure mode. Suppl		· ·	Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proff ventilation equipment.			
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  If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection: If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied air 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.			Organization of work in order to reduce other worker's influence during work process.			
8.2.2.1. Eye and face protection:    If contact is likely, safety glasses with side shields are recommended.		•	See Section 7.2			
8.2.2.2. Skin protection  If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection:  If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.  8.2.2.4. Thermal hazards:  No information available.	8.2.2.	Personal protection equipment:				
If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection:  If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.  No information available.	8.2.2.1.	Eye and face protection:	If contact is likely, safety glasses with side shields are recommended.			
Hand protection:  Hand protection:  Other skin protection:  Protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.  Other skin protection:  If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.  No information available.	8.2.2.2.	Skin protection				
If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.  8.2.2.4. Thermal hazards:  No information available.		Hand protection:	If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.			
concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.  For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.  8.2.2.4. Thermal hazards:  No information available.		Other skin protection:	If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.			
if air purifying filter capacity/rating may be exceeded.  8.2.2.4. Thermal hazards: No information available.	8.2.2.3.	Respiratory protection:	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			
	Q 2 2 A	Thermal hazarde:	if air purifying filter capacity/rating may be exceeded.			



Page 8 of 19

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

Substance/mixto measures to pre	ure related dischar	with applicable environmental regulations limiting ge to air, water and soil. Protect the environment by applying riate control measures to prevent or limit ns.
Structural meas exposure:	ures to prevent Use mo	dern equipment.
Organisational i	·	he work process to the required working conditions of the ace.
Technical measu exposure:	ures to prevent See Sec	tion 6

).1.	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		
	Lower and upper explosion limit:	No information available	No information available		
	Flash point:	62 °C	ASTM D-93		
	Auto-ignition temperature:	222 ℃	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		
).2.	Other information				



Page 9 of 19

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

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.					

SECTION 1	1. Toxicological informati	on						
11.1. Inf	ormation on hazard classes	as defined i	in Regulati	on (EC)	No 1272/200	)8		
Acı	ute toxicity:							
Route of exposure:	Method	Species	Effec	tive Do or AT	se LD <sub>50</sub> /LC <sub>50</sub> E <sub>mixture</sub>	Expos 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/ m³	8 h		Minimally toxic.
Sp	ecific target organ toxicity - Specif	single expo	osure (STO	T-SE):	Target organ	า		Note
	•						Note	
Oral:	No information av		No information ava			-		
Dermal:	No information av							
Inhalation:	No information av	ailable	No information availab		ilable	_		
Aspiration hazard:			May be fatal if swallowed and enters airways relates to potential for aspiration, a non-quantifiable hazard determined by physicol chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances car be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. I swallowed then seek immediate medical attention. Do NOT induce vomiting.					ined by physico- ir during ingestion A DNEL cannot be s of substances can ent measures. For easures need to be . Do not ingest. If
Irri	tation and corrosion			-				
	Exposur	e time	Spec	cies	Evaluation	Met	hod	Note



Page 10 of 19

Trade name:			BIOMOUNT NEW LOW					
Product code: BMNL-X**		Date of compilation:		14 Novembe	r 2022	Version: 4		
Skin corrosion/irritation	No informa	ation available	-	Not irritating.	-	-		
Serious eye damage/irritation	No informa	ation available	<b>-</b>	Not irritating.	_	-		
6								
Sensitization		ed to be a skin	sensitizer					
Respiratory sensitization:	•		iratory sensitize	r.				
Sympto	ms related to the p	ohysical, chemic	cal and toxicolog	gical characterist	tics			
Oral exposure:	May be fatal if	swallowed and	d enters airways	•				
Dermal exposure	: May dry the sl	kin leading to d	liscomfort and c	dermatitis.				
Inhalation exposure:	Negligible haz	zard at ambient	/normal handlir	ng temperatures	•			
Eye exposure:	May cause mil	d, short-lasting	discomfort to	eyes.				
Repeate	ed dose toxicity (su	bacute, subchr	onic, chronic)					
! <b>!</b>	Dose	Exposure time	Species	Method	Evaluation	Note		
Subacute oral	No information available	No information available	No information available	No information available	No information available	n -		
Subacute dermal	No information available	No information available	No information available	No information available	No information available	n -		
Subacute inhalation			No information available	No information available	No information available	n -		
Subchronic oral No information available		No information available	No information available	No information available	No information available	n -		
Subchronic No information dermal available		No information available	No information available	No information available	No information available	n -		
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	n -		



Page 11 of 19

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

Chronic oral	No information	No information available	No information available	No information available	No information available	1 -	
Chronic dermal	No informatic available	No information available	No information available	No information available	No information available	1 -	
Chronic inhalation	No informatic available	No information available	No information available	No information available	No information available	1 -	
Specific	target organ to	xicity - repeated	exposure (STOT:	-RE)·			
	. target organ to		effects	Target	organ	Note	
Subacute oral		No information			information	-	
Subacute derma	I	No information	No information available		information	-	
Subacute inhalation N		No information available		No available	information	-	
Subchronic oral		No information	No information available		information	-	
Subchronic dern	nal	No information	available	No available	information	-	
Subchronic inha	lation	No information available		No available	information	-	
Chronic oral		No information available		No available	information	-	
Chronic dermal		No information	Io information available		information	-	
Chronic inhalation	on	No information	available	No available	information	-	
CMD of	facto (comoin a com	-1-14		4			
	CMR effects (carcinogenicity; mutagenicity;  Carcinogenicity:			Not expected to cause cancer. Based on test data structurally similar materials. Test(s) equivalent or similar OECD Guideline 453.			
Mutage	Mutagenicity in-vitro:			ation available			
	Genotoxicity:			ation available			
	enicity <i>in-vivo</i> :		No informa	ation available			
	Germ cell mutagenicity:			Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar			

to OECD Guideline 471 473 474 476 478 479.



Page 12 of 19

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

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

SECTION 12. Ecological information  12.1. Toxicity								
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:	quatic IC <sub>50</sub> Pseudokirchne riella subcapitata No inform		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	-	-		



Page 13 of 19

Trade name:		BIOMOUNT NEW LOW							
Product code:	Product code: BMNL-X**		Date of compilation: 14 November 2022			Version: 4			
Algae/aquatic plants: IC <sub>50</sub> 72 hc		72 hou	rs	No information available	No information - available			-	
Other organism	s: -	21 day(	(s)	Daphnia magna	-	-		NOELR 1 mg/l	
	ence and degradab degradation	oility							
ADIOTIC	Degradation ha	alf-lives		Method	Evalua	tion		Note	
Marine water	No information a			information ilable	No informat available		-	TVOCE	
Fresh water	No information a	vailable	No information		No information available		-		
Air	No information a	vailable		information ilable	No informat available	ion	-		
Soil	No information a	vailable	No information available		No information available		-		
Biodeg	radation								
% Degradation	Time (days	5)		Method	Evalu	ation		Note	
Percent Degraded 31.3: similar material	28 day (s)	E	Ready Biodegradability (water)		No information available		Expected to be inherently biodegradable		
	umulative potentia								
Value	Ol-water partition c	ρΗ	°C	Method	Fv	aluation		Note	
> 1	No information available	- Pii	-	Estimated	Evaluation  No information available		No information available		
Biocon	centration Factor (	BCF)							
Value	Specie			Method	Evalu	ıation		Note	



Page 14 of 19

Trade name: Product code:			BIOMOUNT NEW LOW								
		: BN	BMNL-X**		Date of compilation:		14 November 2022		Versio	Version: 4	
No information available			No information available		No information available		No information available		No information available		
	Chron	ic ecoto:	xicitv								
					oosure ime	Spe	ecies	Method	Eva	luation	Note
, , , , , , , , , , , , , , , , , , , ,				mation Ible	No inforr availa	nation ble	No information available			Not expected.	
crustacea (Danhnia)				mation Ible	No inforr availa	nation ble	No information available	No information available		Not expected.	
		n or pred	licted distribu	tion in	environm	nental c	ompart	ments:			
	Value		°C		Concentration			Method		N	ote
	No informatic available		No information available				No infavailab	information silable s		Highly volatile, will partition rapidly to air. No expected to partition to sediment and wastewater solids.	
	Adsor	ption / c	lesorption								
Transp	ort	A/D coefficient Henry's constant			log Kow		Evaporation rate	Method		Note	
			<u> </u>					No			
Soil-W	ater N		nation availab	le :	No available	infori	mation	information available	No info	ormation le	-



Trade name:

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

**BIOMOUNT NEW LOW** 

Page 15 of 19

<ul> <li>13.1. Waste treatment methods</li> <li>13.1.1. Product/Packaging disposal:  Submit for disposal to the legal person authorized by the Ministry of Environmental and Na Protection. Do not dispose of the product's remains into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the sewage system. Submit the remains to collectors authorized by the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the sewage system. Submit the remains to collectors authorized by the ministry of Environmental and Nature and Nature</li></ul>	Product	code:	BMNL-X**	Date of compilation:	14 Novembe	r 2022	Version: 4		
Material does not meet the Reach Annex XIII criteria for PBT or vPvB.	Soil-Air	No ir	formation available		information		<b>-</b>		
Material does not meet the Reach Annex XIII criteria for PBT or vPvB.  12.6. Endocrine disrupting properties No known endocrine disrupting properties that affect the environment.  12.7. Other adverse effects No adverse effects are expected.  SECTION 13. Disposal considerations  13.1. Waste treatment methods  13.1.1. Product/Packaging disposal: Submit for disposal to the legal person authorized by the Ministry of Environmental and N. Protection. Do not dispose of the product's remains into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. The European Waste Catalogue (EWC) code is specific to the waste generating process and vertice constituents. Determine the EWC according to the criteria provided in the European Waste Catalogue 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 currical provided in the supplication 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 supervincineration at very high temperatures to prevent formation of undesirable combustion products.									
12.6. Endocrine disrupting properties  No known endocrine disrupting properties that affect the environment.  12.7. Other adverse effects  No adverse effects are expected.  SECTION 13. Disposal considerations  13.1. Waste treatment methods  13.1.1. Product/Packaging disposal:  Submit for disposal to the legal person authorized by the Ministry of Environmental and Nir Protection. Do not dispose of the product's remains into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. The European Waste Catalogue (EWC) code is specific to the waste generating process and we constituents. Determine the EWC according to the criteria provided in the European Waste Catalogue (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 curl 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 supervi incineration at very high temperatures to prevent formation of undesirable combustion products.	12.5.								
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12.7. Other adverse effects  No adverse effects are expected.  SECTION 13. Disposal considerations  13.1. Waste treatment methods  13.1.1. Product/Packaging disposal:  Submit for disposal to the legal person authorized by the Ministry of Environmental and Na Protection. Do not dispose of the product's remains into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. The European Waste Catalogue (EWC) code is specific to the waste generating process and vaconstituents. Determine the EWC according to the criteria provided in the European Waste Catalogue 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 curriapplicable 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 supervisincineration at very high temperatures to prevent formation of undesirable combustion products.	12.6.	Endocrine	disrupting properties	3					
SECTION 13. Disposal considerations  13.1. Waste treatment methods  13.1.1. Product/Packaging disposal:  Submit for disposal to the legal person authorized by the Ministry of Environmental and Na Protection. Do not dispose of the product's remains into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. The European Waste Catalogue (EWC) code is specific to the waste generating process and vertice constituents. Determine the EWC according to the criteria provided in the European Waste Catalogue 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 currapplicable 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 supervincineration at very high temperatures to prevent formation of undesirable combustion products.									
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SECTION 13. Disposal considerations  13.1. Waste treatment methods  13.1.1. Product/Packaging disposal:  Submit for disposal to the legal person authorized by the Ministry of Environmental and Na Protection. Do not dispose of the product's remains into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the remains to collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. The European Waste Catalogue (EWC) code is specific to the waste generating process and vonstituents. Determine the EWC according to the criteria provided in the European Waste Catalogue 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 currapplicable 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 supervincineration at very high temperatures to prevent formation of undesirable combustion products.	12.7.			٨					
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incineration at very high temperatures to prevent formation of undesirable combustion products.	13.1.4.	Sewage	disposal – relevant in	formation:					
13.1.5. Other disposal recommendations:		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 di	sposal recommendati	ions:					



Page 16 of 19

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

	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	14. Transport information					
-	Transporting/shipment by road	(ADR)				
UN numb	oer:	Not subject to transport regulations.				
UN prope	er shipping name:	-				
Transport	: hazard class(es):	-				
Packing g	group:	-				
Environm	ental hazards:	-				
Special p	recautions for user:	-				
-	Transporting/shipment by rail (R	ID)				
UN numb	per:	Not subject to transport regulations.				
UN prope	er shipping name:	-				
Transport	hazard class(es):	-				
Packing g	ıroup:	-				
Environmental hazards:		-				
Special precautions for user:		-				
Transporting/shipment by inland waterways (ADN)						
UN number:		Not subject to transport regulations.				
UN proper shipping name:		-				
Transport hazard class(es):		-				
Packing group:		-				
Environmental hazards:		-				
Special precautions for user:		-				
Transporting/shipment by sea (IMDG)						
UN number:		Not subject to transport regulations.				
UN proper shipping name:		-				
Transport hazard class(es):		-				
Packing group:		-				



Page 17 of 19

Trade name:		BIOMOUNT NEW LOW				
Product code:	BMNL-X**	Date of compilation:	14 November 2022	Version: 4		
Environmental hazards:		-				
Special precautions for user:		-				
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:		-				
Transport	ing/shipment by air (IC	CAO-TI/IATA-DGR)				
LIN number		Not subject to transpe	ort regulations			

Further information:

.1. Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture
EU regulations	
Authorisations and/or res	trictions on use
Authorisations:	-
Restrictions:	-
Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);



Page 18 of 19

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

	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		
	-		

SECTIO	ON 16. Other information			
16.1.	Indication of changes:	-		
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals  EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:	-		
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classifi	cation	Classification procedure		
-		-		
16.5.	Relevant H statements (num	ber and full text)		
	H: 304	May be fatal if swallowed and enters airways.		
	(EUH066)	Repeated exposure may cause skin dryness or cracking.		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging of the product)  We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

## ANNEX: Exposure scenario resulting to Chemical safety assessment



#### **SAFETY DATA SHEET**

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

Page 1 of 16

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

SECTI	ON 1: Identification of	the substanc	e/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	BLUING RE	AGENT		
	Chemical name:	-			
	Catalogue number:	BR-OT-X**	BR-OT-X**		
1.2.	Relevant identified use	es of the subs	stance or mi	xture and uses advised against	
	Uses:		For conve	ersion of red hematoxylin stained nuclei to blue.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	Details of the supplier of the safety data sheet			
	Supplier: B		ioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Fax no.:	+	+385 1 2404039		
	e-mail of competent p	oerson: <u>m</u>	msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection ar	nd Rescue Dir	ectorate:	112	
	Medical information:			. 205 1 2240 242	
	Medical information:			+385 1 2348 342	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regul	ation (EC) No 127	72/2008 (CLP)		
	Hazard class and categor	y code:	Hazard statements*:		
	Not identified as hazardous subs	stance.	-		
2.1.2.	Additional information				
	-				
*For ful	l text of Hazard- and EU Hazard-s	tatements: see Se	ction 16		
2.2.	Label elements				
	Product identification:	BLUING REAGI	ENT		
	Identification number: -				
	Authorization no.: -				
	Hazard pictograms:	-			



Page 2 of 16

Trading name:		BLUING REAGENT					
Product code: BR-OT-X**		Date of compilation:	23 January 2023	Version:	7		
Sign	Signal word:		-				
Hazard statements:		-					
Precautionary statements:		-					
Supplemetal hazard information (EU):		on -					

2.3.	Other hazards
	<b>Endocrine Disrupting Properties:</b>
	No known endocrine disrupting properties.
	2.3.

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	-		

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:		-		
	Following inhalation:  Following skin contact:  Following eye contact:  Following ingestion:		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.		
			Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.		
			Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.		
			Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.		
	Self-protection of the first aid	der:	Treat symptomatically.		
4.2.	Most important symptoms a	nd eff	ects, both acute and delayed		
	Following inhalation: No		nformation available		
	Following skin contact:	No i	nformation available		
	Following eye contact:	No i	nformation available		
	Following ingestion:	No information available			
4.3.	Indication of any immediate	y immediate medical attention and special treatment needed			



Page 3 of 16

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

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

SECTIO	ON 6. Accidental release meas	ures			
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personne	el			
	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.			



Page 4 of 16

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

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

	Dr. acceptions for sofe handling						
7.1.	Precautions for safe handling						
7.1.1.	Protection measures						
	Measures to prevent fire:		Keep away from sources of heat and ignition. Do not smoke.				
	Measures to prevent aerosol and dust generati	ion:	Secure proper ventilation.				
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.				
	Other measures:		-				
7.1.2.	Advice on general occupational hygiene:						
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.						
7.2.	Conditions for safe storage, including any incompatibilities						
	Technical measures and storage conditions:	ven	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:	Maı	nufacturer's original packaging.				
	Requirements for storage rooms and vessels:		p away from food and drink. Keep the containers itly closed.				
	Advices for storage equipment:	be r dire	storage must be made of hard material; floors must resistant to chemicals. There must be no drain that ectly leads into sewage system. Secure proper tilation.				
	Further information on storage conditions:	and che	not place the unused material in the storage room do not use empty containers for storing other micals. Do not store with incompatible materials (see tion 9).				



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

amended by Regulation (EU) No. 1907/2006

Page 5 of 16

Trading name:				BLUING REAGENT				
Product code: BR-OT		-X** Date of con			mpilation: 23 January 2023		/ 2023	Version: 7
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Recommer					-			
Industrial s	ector spe	cific solutio	ns:		-			
SECTION 8. Exposu	ire contr	ols/persona	al protec	tion				
8.1. Control pa		· ·						
·				Occi	upational e	exposure limit		
Substance		CAS I	No	val	ues/short	term values	Biolo	ogical limit values
					ppm	mg/m³		
-		-			-	-	No inform	ation available
-								
Substance -								
name: EC No: -		CAS No:	_					
DNEL		CAS NO.						
				Inc	dustrial			
		Acute				Chron	ic	Chronic
Route of exposure:		ect local effect sys				effect local		effect systemic
Oral	-		-		-			-
Inhalation	-		-		-		-	
Dermal	-		-			-		-
Critical physical para	ameters: s	solubility, fla	ammabilit	ty, cor	rosivity:	-		
	_			Co	nsumer			
Route of exposure:		Acute		Acut		Chron		Chronic
route of exposure.	effe	ect local	cal effect sys		temic	effect lo	ocal	effect systemic
Oral	-		-			-		-
Inhalation	-		-			-		-
Dermal	-		-			-		-
PNEC								
Environmental protection target			PNEC					
Fresh water			No information available					
Freshwater sediments				No information available				
Marine water						nation availabl		
Marine sediments				No information available				
Food chain						nation availabl		
Microorganisms in s	sewage tr	eatment				nation availabl		
Soil (agricultural)				No information available				



Page 6 of 16

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

Air			No information available				
8.2.	Evaccura controls						
	Exposure controls						
8.2.1.	Appropriate engineering		S				
	Substance/mixture relate measures to prevent exp during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structural measures to prescribe exposure:	revent	No information available				
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to prexposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal protection equi	pment					
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.				
8.2.2.2.	Skin protection						
	Hand protection:		ctive gloves must be according to the EU Directive 2016/425/EEC and lard EN 374.  Glove material: nitrile rubber  Glove thickness: ≥0.50 mm				
			Break through time: >480 min				
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long es (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a 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 preserve:	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**



Page 7 of 16

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

	Value	Method
Physical state:	liquid	No information available
Color:	ight blue	No information available
Odour/odour threshold:	no information available/no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lower and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
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

SECTION 10.: Stability and reactivity					
10.1.	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**



Page 8 of 16

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

Acute toxi	city:					
Route of exposure:	Method	Species	Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposu	re time	Results
Oral exposure:	No information available	-	LD <sub>50</sub>	-	-	-
Dermal exposure:	No information available	-	LD <sub>50</sub>	-	-	-
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-	-
Specific ta	rget organ toxicity – si	ngle exposure (S	STOT SE):			
:		ic effects		t organ		Note
Oral exposure:	No information	available	No information	on available		
Dermal exposure:	No information	nformation available		No information available -		
Inhalation exposure	: No information	available	able No information available -			
Aspiration	hazard:	No infor	mation available			
Irritation a	nd corrosion:					
	Exposure time	Species	Evaluation	Method		Note
Skin irritation:	-	-	-	-	-	
Eye irritation:	-	-	-	-	_	
Sensitization	on					
Dermal exposure:	No information avail	able				
Inhalation exposure:	No information available					
C	malata di ta the color '	l alamaine le un l	taviaalasi seleb	aka wiaki		
Symptoms	related to the physica				- 41-	the leave !
	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.					
Oral exposure:	In case of vomitin			icult breath	ing. Highe	er levels of



Page 9 of 16

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

Inhalation expositre:			large amounts eezing, heada	•		quately vent	ilated perim	eter may cause
Eye exposure: Direct eye sensation.		-	contact may cause slight to moderate irritation, lacrimation and burning					
Repeate	ed dose	toxicity (sub	acute, subchro	onic. chronic	c)			
породи		Dose	Exposure time	Species	0 0 0 0 0 0 0 0 0	1ethod	Evaluation	Note
Subacute oral	No i availa	information ble	No information available	No information		o Iformation vailable	No informatio available	on -
Subacute dermal	No i availa	nformation ble	No information available	No informatio available		o Iformation vailable	No informatic available	on -
Subacute inhalation	No i availa	nformation ble	No information available	No informatio available		o Iformation vailable	No informatic available	on -
Subchronic oral	No i availa	nformation ble	No information available	No information available		o Iformation vailable	No informatic available	on -
Subchronic dermal	No i availa	nformation ble	No information available	No information available		o Iformation vailable	No informatic available	on -
Subchronic inhalation	No i availa	nformation ble	No information available	No informatio available		o Iformation vailable	No informatio available	n -
Chronic oral	No i availa	nformation ble	No information available	No informatio available		o Iformation vailable	No informatic available	on -
Chronic dermal	No i availa	nformation ble	No information available	No information available		o Iformation vailable	No informatic available	on -
Chronic inhalation	No i availa	nformation ble	No information available	No informatio available		o Iformation vailable	No informatic available	on -
				,				
Specific	target		y – repeated e	exposure (ST	IOT RE):	Target err	<b>an</b>	Note
Subacute oral			pecific effects		No info	Target org		Note -
Subacute dermal	I		tion available			rmation ava		
Subacute inhalat			tion available			rmation ava		_



Reproductive toxicity:

11.2.2. Other informations:

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

Page 10 of 16

Trading name:		BLUING REAGENT					
Product code:	Product code: BR-OT-X**		Date of compilation:		23 January 2023	Version:	7
Subchronic oral		No information	n available	No ir	nformation available		
Subchronic derma	l	No information	n available	No ir	nformation available	-	
Subchronic inhala	tion	No information	n available	No ir	nformation available	-	
Chronic oral		No information	n available	No information available		-	
Chronic dermal		No information	n available	No information available		-	
Chronic inhalation	l	No information	available No information available		-		
CMR effe	cts (ca	arcinogenicity; m	nutagenicity; repro	ductive to	oxicity)		
Carcinog	enicity	<b>′</b> :	Current studies on test animals did not indicate carcinogenic effects.			cts.	
Mutagen	Mutagenicity in-vitro:		Current in vitro tests did not indicate mutagenic effects.				
Genotoxi	Genotoxicity:		No information available				
Mutagen	Mutagenicity in-vivo:		Current in vivo tests did not indicate mutagenic effects.				
Germ cel	l muta	genicity:	No information available				

	Summary of evaluation of the CMR properties: -
11.2.	Information on other hazards:
11.2.1.	Endocrine disrupting properties:
	No known endocrine disrupting properties that affect human health.

organs.

No toxicity on reproductive organs was determined in reproductive

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	



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

amended by Regulation (EU) No. 2020/878

				Page 11 of 16
Trading name:		BLUING	REAGENT	
Product code:	BR-OT-X**	Date of compilation:	23 January 2023	Version: 7

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

12.2. Persi	istence and degradability								
Abio	Abiotic degradation								
	Degradation half-lives	Method	Evaluation	Note					
Marine water	No information available	No information available	No information available	-					
Fresh water	No information available	No information available	No information available	-					
Air	No information available	No information available	No information available	-					
Soil	No information available	No information available	No information available	_					

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

12.3. Bic	12.3. Bioaccumulative potential							
Oc	Octanol-water partition coefficient (log Kow)							
Value Concentration pH °C Method Evaluation Note								
-	No information available	-	-	No information available	No information available	-		
Bio	concentration factor	(BCF)						
Value	Spec	ies		Method	Evaluation	Note		



	g name:				BLUING	REAGE	NT			
Produc	t code:	BR-OT-X** Date of compi		mpilation:	ion: 23 January 2023		3	Versio	on: 7	
No information available		No information available		No information available		No information available			No information available	
	Chronic e	cotoxicity								
	Value	Dose		osure ime	Species	Met	hod	Evalua	tion	Note
Chronic	toxicity on	fish LC <sub>50</sub>	No infor avail	mation i	No information available	No inform availab	ation i	No nformati vailable	on	-
	toxicity on a ( <i>Daphnic</i>	: <b>F</b> ( F0	No infor avail	mation i	No information available	No inform availab	ation i	lo nformati vailable	on	-
12.4.		n soil predicted distribut nation available	ion in e	environme	ntal compart	ments:				
	Surface te	nsion:								
	Value	°C	С	oncentration	on	Metho	od		No	te
	No No information available available				formation -					
	informatio	on information			availal			-		
	informatio available	information available						-		
Transpo	Adsorptio	on information	ava			ole	Metl			Note
Transpo Soil-wa	Adsorptio	information available  n / desorption  A/D coefficient enry's constant information	lo	og Kow nformation	Evaporati	on rate		nod	-	Note
	Adsorption Hoter No available	information available  n / desorption A/D coefficient enry's constant information able information	lo No ir availa	og Kow nformation able	Evaporati  No inform available	on rate	Metl No inform	nod	-	Note



Page 13 of 16

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

12.6.	Endocrine disrupting properties						
		properties that affect the environment.					
	1 5	•					
12.7.	Other adverse effects	Other adverse effects					
	No adverse effects are expected						
SECTIO	N 13. Disposal considerations						
13.1.	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
	Submit for disposal to the lega Protection.	l person authorized by the Ministry of Environmental and Nature					
13.1.2.	Waste codes/waste designatio	ns according to Law:					
	No information available						
	:						
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						
	·	s remains into the sewage system. Submit the remains to the collectors harge. Do not dispose of the packaging into the sewage system. Submit					
		s authorized by the ministry in charge. Do not dispose of in places where					
	ignition may occur.						
13.1.6.	Relevant Community provision	s:					
	-						
SECTIO	N 14. Transport information						
	Transporting/shipment by road (						
UN nun		Not subject to transport regulations.					
	per shipping name:	-					
Transpo	sport hazard class(es): -						



Trading name:

#### **SAFETY DATA SHEET**

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

**BLUING REAGENT** 

Page 14 of 16

Product code:	BR-OT-X**	Date of compilation:	Date of compilation: 23 January 2023					
Packing group:		-	-					
Environmentally ha	zardous:	-	-					
Special precautions	s for user:	-	-					
	ng/shipment by ra	il (RID)						
UN number:		Not subject to transport	regulations.					
UN proper shipping	g name:	-						
Transport hazard cl	lass(es):	-						
Packing group:		-						
Environmentally ha	zardous:	-						
Special precautions	s for user:	-						
Inland wat	terway transport (A	DN)						
UN number:		Not subject to transport	regulations.					
UN proper shipping	g name:	-						
Transport hazard cl	lass(es):	_						
Packing group:		-						
Environmentally ha	zardous:	-						
Special precautions	s for user:	-						
Transporti	ng/shipment by se	a (IMDG)						
UN number:		Not subject to transport	regulations.					
UN proper shipping	g name:	-						
Transport hazard cl	lass(es):	-	-					
Packing group:		-	-					
Environmentally ha	zardous:	-						
Special precautions	s for user:	-						
Transporti	ng/shipment by ai	r (ICAO-TI/IATA-DGR)						
UN number:		Not subject to transport	regulations.					
UN proper shipping	g name:	-						
Transport hazard cl	lass(es):	-						
Packing group:		-	-					
Environmentally ha	zardous:	-	-					
Special precautions	for user:	-						
Further information	n: The produc	ct is not subject to classification	on.					



Page 15 of 16

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

15.1.	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture				
	EU regulations	EU regulations				
	Authorization and/or rest	rictions of use				
	Authorizations:	-				
	Restrictions:	-				
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain				
	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:	_				
			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			
16.3.	Key literature references and source of data:	_				



#### **SAFETY DATA SHEET**

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

Page 16 of 16

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

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



### SAFETY DATA SHEET

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

Page 1 of 17

Trade name:	EA 50 REAGENT, PAP 3B				
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

SECTION 1: Identification of the substance/mixture and of the company/undertaking							
1.1.	Product identifier						
	Trade name:	EA 50 REAGEN	T, PAP 3B				
	Chemical name:	-					
	Catalogue number:	EA50-OT-X**					
1.2.	Relevant identified	uses of the subst	ance or m	nixture ar	nd uses advised against		
	Uses:			Cytopla	smic staining reagent acc. to Papanicolaou.		
	Uses advised agains	st:		Only th	e identified uses are advised.		
	Reason why uses ac	lvised 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 suppl	ier of the safety o	data sheet	t			
	Supplier:		BioGno	ost Ltd.			
	Address:		Medjug	ngorska 59, Zagreb 1 2409997 1 2404039 @biognost.hr			
	Telephone number:		+385 1				
	Telefax:		+385 1				
	E-mail of competen	t person:	msds@				
	National contact:		-				
1.4.	Emergency telepho	ne numbers					
	National Protection	and Rescue Dire	and Rescue Directorate:		112		
	Medical information	1:			+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 Regi	ulation (EC) No	. 1272/2008 (CLP)		
	Hazard class and categor	y code:		Hazard statement*:	
	Flam. Liq. 2		H225		
	Acute Tox. 4		H302		
2.1.2.	Additional information				
	-				
*For fu	ıll text of Hazard- and EU Hazard-s	statements: see	e Section 16.		
2.2.	Label elements	Label elements			
	Product identification:	Product identification: EA 50 REAGENT, PAP 3B			
	Identification number:	-			



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

amended by Regulation (EU) No. 2020/878

Page 2 of 17

Trade name:		EA 50 REAGENT, F	PAP 3B		
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

	Authorisation number:	-			
	Hazard pictograms:	GHS02 GHS07			
	Signal word:	Danger			
	Hazard statement:	<ul><li>H225 Highly flammable liquid and vapour.</li><li>H302 Harmful if swallowed.</li></ul>			
	Precautionary statement:	<ul> <li>P210 Keep away from heat, hot surfaces, 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>P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.</li> <li>P501 Dispose of contents/container to an approved waste disposal plant.</li> </ul>			
	Supplemental hazard information (EU):	-			
2.3.	Other hazards				
	Endocrine Disrupting Properties:				
	No known endocrine disrupting properties				
	<b>Results of PBT and vPvB ass</b> PBT or a vPvB.	sessment: According to the results of its assessment, this substance is not a			

SECTION 3. Co	SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	70 – 90 %	ethanol	Flam. Liq. 2; H225			
107-21-1/ 203-473-3/ 603-027-00-1	-	15-25%	ethylene glycol	Acute Tox. 4; H302			

#### **SECTION 4. First aid measures**

4.1. Description of first aid measures



Page 3 of 17

Trade name:		EA 50 REAGENT, F	PAP 3B	<u> </u>	
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

	1	
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.
	Following skin contact:	Remove all contaminated clothes/footwear. Thoroughly wash with water for at least 15 minutes.
	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 20 minutes with the eyelids held wide open.
	Following swallowing:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider	-
4.2.	Most important symptoms and e	ffects, both acute and delayed
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.
	Following swallowing:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.
4.3.	Indication of any immediate med	ical attention and special treatment needed
	No information available	

SECTI	SECTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO2 Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media:	Water with full jet			
5.2.	Special hazards arising from the	e substance or mixture			
	Hazardous byproducts of fire:	Incomplete combustion of the product.			
5.3.	Advice for firefighters				
	Stay in danger area only with self-contained open-circuit compressed air breathing apparatus and a set for protecting the body from heat dissipation (fireproof clothing).				
5.4.	Additional information				



Page 4 of 17

Trade name:		EA 50 REAGENT, F	PAP 3B	
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version: 5

Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. Do not contaminate the environment with extinguishing media.

6.1.	Personal precautions, protective	e equipment and emergency procedures	
6.1.1.	For non-emergency personnel		
	Protective equipment:	Use personal protective equipment (see Section 8).	
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.	
	Emergency procedures:	Mark the area using proper signs.	
6.1.2.	For emergency responders:		
	Self-contained open-circuit con heat dissipation (fireproof cloth	npressed air breathing apparatus, a set for protecting the body from ing).	
6.2.	Environmental precautions:		
	•	prevent further spillage of chemicals. Prevent environmental pollution by nter the sewage system, surface water or groundwater.	
6.3.	Methods and materials for cont	tainment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials	
6.3.2.	Cleaning up:	Sawdust, sand, mineral adsorbents	
6.3.3.	Other information:  Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112). Do not use incompatible materials (see Section 10).		
6.4.	Reference to other sections		
	See Section 7 for information o	<u> </u>	
		n 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.		



Page 5 of 17

Trade name:		EA 50 REAGENT, F	PAP 3B	<u> </u>	
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

	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	e:			
	Do not eat, drink or smoke in the works	pace. Thor	oughly wash hands after work and before eating.		
7.2.	Conditions for safe storage, including a	ny incompa	tibilities		
	Technical measures and storage conditions:	ventilate	tightly closed and upright set containers in a welled storage rooms at temperatures ranging from 15 to rotect from heat and direct sunlight.		
	Packaging materials:	Manufac	Manufacturer's original packaging. Keep away from food and drink. Keep the containers tightly closed.		
	Requirements for storage rooms and vessels:	Keep aw closed.			
	Advices for storage equipment:	resistant	age must be made of hard material; floors must be to chemicals. There must be no drain that directly so 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/person	al protection				
8.1. Control para	meters					
Substance	CAS No		limit value	nal exposure s/short term llues	Biological limit values	
			ppm	mg/m³		
Ethanol 6-		-5	1000/-	1900/-	No information available	
Ethylene glycol	107-21	1-1	20/40	52/104	No information available	
Substance:	-					
EC No:	-	(	CAS No: -			
DNEL		<u>.</u>				
		Ind	lustrial			
Doute of owners	Acute	Acute		Chronic	Chronic	
Route of exposure:	effect local	effect system	nic ef	ffect local	effect systemic	
Oral	-	-	-		-	



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

amended by Regulation (EU) No. 2020/878

			P	age 6 of 17	7				
Trade name:		EA 50 REAGENT, PAP 3B							
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5				

Product code:	EA50-OT-X**		Date of o	compilation:	10 Jul	y 2024 V	ersion: 5
Inhalation	1900 mg/m³ (ethanol)	-		35 mg/ kg (ethylene gly	col)	380 mg/m³ (ethan	ol)
Dermal	-	-		-		343 mg/kg (ethan 106 mg/kg (ethyle	
Critical physical p	arameters: solubility, fl	ammab	oility, corrosi	vity:	-		
			Consun	ner			
Route of exposu	Acute effect local		Acute ct systemic	Chroni effect lo		Chroni effect syst	
Oral	-	-		-		87 mg/kg bw/day	(ethanol)
Inhalation	950 mg/m³ (ethanol)	-		7 mg/kg (ethylene gly	col)	114 mg/m³ (ethan	ol)
Dermal	-	-		-		206 mg/kg (ethan 53 mg/kg (ethyler	
PNEC							
Environmental protection target			PNEC				
Fresh water			960 µg/l (ethanol) 10 mg/l (ethylene glycol)				
Freshwater sedim	ents		3.6 mg/kg (ethanol) 37 mg/kg (ethylene glycol)				
Marine water			790 μg/l (ethanol) 1 mg/l (ethylene glycol)				
Marine sediment	5		2.9 mg/kg (ethanol) 3.7 mg/kg (ethylene glycol)				
Food chain			380-720 mg/kg kg (ethanol)				
Microorganisms i	n sewage treatment		580 mg/l (ethanol) 199.5 mg/l (ethylene glycol)				
Soil (agricultural)			0.63 mg/kg (ethanol) 1.53 mg/kg (ethylene glycol)				
Air			no information available				
8.2. Exposu	ıre controls						
8.2.1. Appro	oriate engineering con	trols					
measu	Substance/mixture related			Do not eat, drink or smoke in the workspace. Use personal protective equipment.			
Structu exposu	iral measures to prever ire:	nt	No information available				



Page 7 of 17

Trade name:		EA 50 REAGENT, F	PAP 3B		
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

	Organisational measures to prevent exposure:		Organization o during work pr	f work in order to reduce other worker's influence ocess.		
	Technical measures to prevent exposure:	t	See Section 7.2			
8.2.2.	Personal protection equipmer	nt				
8.2.2.1.	Eye and face protection:	of c	Safety glasses that stick to face (EN 166) or visor in case of lower level of concentration in air; protective gas mask that covers the entire faction case of higher levels of concentration in air.			
8.2.2.2.	Skin protection					
	Hand protection:	Protective gloves must be according to the EU Directive 2016/425/EEG and standard EN 374.  Glove material: nitrile rubber  Glove thickness: ≥0.50 mm  Break through time: >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:	a fil	ter for organic v	mask (EN 136) or half mask (EN 140) equipped with apors, type "A" (boiling point >65°C) acording to en concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No	information ava	lable		
8.2.3.	Environmental exposure contr	rols				
	Substance/mixture related measures to prever exposure:		es to prevent	See Section 6		
	Structural measures to prevent exposure:		osure:	Use modern equipment.		
	Organisational measures to prevent exposure:		t exposure:	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to preven	t expo	osure:	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:	violet green	no information available				
	Odour/odour threshold:	ethanol like/no information available	no information available				
	Melting point / freezing point:	no information available	no information available				



Page 8 of 17

Trade name:		EA 50 REAGENT, PAP 3B				
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5	

.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. 2 – 5.7	no information available
	Decomposition temperature:	no information available	no information available
	Auto-ignition temperature:	no information available	no information available
	Flash point:	21°C	no information available
	Lower and upper explosion limit:	no information available	no information available
	Flammability:	no information available	no information available
	Boiling point or initial boiling point and boiling range:	no information available	no information available

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

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



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

Page 9 of 17

Trade name:		EA 50 REAGENT, I	PAP 3B		
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

Product code:	EA50-OT-X**		Date of con	pilation:	10 July 2	)24	Versi	on: 5	
Oral:	No information available	rat	LD <sub>50</sub>		-	7.712	7.060 mg/kg (ethano 7.712 mg/kg (ethyle glycol)		
Dermal:	No information available	rabbit	LD <sub>50</sub>		-	>3.50	000 mg/kg ( 00mg/kg lene glycol)	_	
Inhalation:	No information available	rat	LC <sub>50</sub>		4 h (ethanol)	>8.00	00 mg/l (eth	anol)	
Specific targe	et organ toxicity - si	ngle exposi	ure (STOT-SE):						
·	S	pecific effe	ects		Target organ		No	te	
Oral:	No information	n available		No info	ormation ava	ilable	-		
Dermal:	No information	n available		No info	ormation ava	ilable	_		
Inhalation:	No information	n available		No info	nformation available		-		
	:						:		
Aspiration h	nazard:		No info	mation av	vailable				
· · · · · · · · · · · · · · · · · · ·									
Irritation an	d corrosion								
·	Exposure ti	me	Species	Ev	aluation		Method	Note	
Skin corrosion/irritat	No information available	No availa	information able	No infor			rmation ilable	-	
Serious eye damage/irritatio	No information available	No availa	No information available		mation		rmation ilable	-	
ï						·			
Sensitization									
Skin sensitizatio	n: No informat	ion availab	ole						
Respiratory sensitization:	No informat	ion availab	ole						
Symptoms re	lated to the physica	l, chemical	and toxicologica	al characte	eristics				
Oral exposure:	Swallowing m sensation; hig	ay cause ir her levels o niting, aspi	ritation of muco of concentration ration causes co	sa, tingling may cause	g sensation ir e nausea, abo	lominal	pain and vo	miting.	
Dermal exposur	Slight irritatio		ort exposure, res	orption ef	fects are not	likely. Lo	ong-term ex	posure	

may cause drying, cracking and tingling sensation of skin.



Subacute inhalation

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

Trade name:				EA 50 REA	GENT, P	AP 3B			
Product code:		EA50-OT-	X**	2024	Version:	5			
Inhalation exposure:			_	its of vapors in ina ache and nausea.	dequatel	y ventilat	ed perimeter m	ay cause	
Eye exposure:		Direct eye sensation	•	use slight to mod	erate irrit	ation, lacr	imation and bu	ırning	
Repeated do	se to	oxicity (suba	cute, subchronic	c, chronic)					
		Dose	Exposure time	Species	Meth	od	Evaluation	Note	
Subacute oral		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Subacute dermal		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Subacute inhalation		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Subchronic oral		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Subchronic dermal		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Subchronic inhalation		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Chronic oral		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Chronic dermal		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	-	
Chronic inhalation		o formation vailable	No information available	No informatio available	n No inforr availa	nation ble	No information available	<b>–</b>	
- · · ·				(6707.5-)					
Specific targe	et or	gan toxicity		c effects		Target or	nan	Note	
Subacute oral			No information		Target organ  No information available -				
Subacute derma	al		No information			mation a			
- · · · · · ·			h						

No information available

No information available



Page 11 of 17

Trade name:		EA 50 REAGENT, F	PAP 3B	
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version: 5

		2.7.					
Subchror	nic oral	No information available	9	No information available	-		
Subchror	nic dermal	No information available	e	No information available	-		
Subchror	nic inhalation	No information available	e	No information available	-		
Chronic c	oral	No information available	e	No information available	-		
Chronic dermal No information avail		No information available	e	No information available	-		
Chronic i	nhalation	No information available	able No information available		-		
CMR e	ffects (carcinogen	icity, mutagenicity, reproducti	ive toxicity	·)			
Carcinogenicity:			No information available				
Mutagenicity in-vitro:			No information available				
Genot	oxicity:		No information available				
Mutag	enicity <i>in-vivo</i> :		No information available				
Germ (	cell mutagenicity :		No information available				
Repro	ductive toxicity:		No infor	mation available			
Summ	ary of evaluation o	of the CMR properties:	No infor	mation available			
			-				
11.2.	Information on ot	her hazards:					
11.2.1.	Endocrine disrupt	ing properties:					
	No known endoc affect human hea	rine disrupting properties that	t				
11.2.2.	Other information	ns:					

SECTION 12. E	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	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol)	-			
Crustacea:	EC <sub>50</sub>	48 hours	Daphnia magna	No information available	7.800 mg/l (ethanol) >100 mg/l (ethylene glycol)	-			
Algae/aquatic plants:	IC <sub>50</sub>	72 hours	algae	No information available	5.000 mg/l (ethanol) 6.500-13.000 mg/l (ethylene glycol)	-			



Page 12 of 17

Trade name:		EA 50 REAGENT, F	PAP 3B		
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

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

### 12.2. Persistence and degradability

Abi	otic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	_

#### Biodegradation

% Degrad	ation	Time (days)	Method	Evaluation	Note
-	-		-	-	-

### 12.3. Bioaccumulative potential

	Octanol-water partition coe	fficie	nt (log Ko	w)		
Value	Concentration	p H	°C	Method	Evaluation	Note
_						_



### SAFETY DATA SHEET ing to Regulation (FC) No. 1907/2

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

Page 13 of 17

Trade r	name:					EA 50 REAGEN	T, PAP 3B		
Produc	t code:	EA50-0	OT-X**		Da	Date of compilation: 10 July 2024			Version: 5
	İ			<u> </u>					
Bi	ioconcent	ration Facto	or (BCF)					· ·	
Val	ue	Sı	pecies			Method		Evaluation	
No information available		No informa	ation ava	ilable	No info	ormation le	No inforr available	nation	-
Chro	nic ecoto	vicity							
	lue	Dose	E	xposur	e time	Species	Method	Evaluation	Note
Chronic toxicity on fish			No	No information available		No information available	No informat ion availabl e	No information available	-
Chronic on crust (Daphni	tacea	EC <sub>50</sub>	No ava	o info ailable	rmation	No information available	No informat ion availabl e	No information available	-
12.4.	Mobility	ı in soil							
	No info	or predicted rmation ava		ution in	environn	nental compartme	ents:		
	V	alue		°C		Concentration	Meth od	No	te
	No in available	formation e	No availab		rmation	No information available	No infor matio n availa ble		
Δdsα	urntion / d	esorption							



Page 14 of 17

Trade name:		EA 50 REAGENT, P	PAP 3B	
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version: 5

Product co	ode: EA50-O1-X**	Date	or compliation: 1	0 July 2024	version: 5				
Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note				
Soil-Water	No information available	No information available	No information available	No information available	_				
Water-Air	No information available	No information available	No information available	No information available	-				
Soil-Air	No information available	No information available	No information available	No information available	-				
12.5. Re	esults of PBT and vPvB asse	essment							
Ва	ased on available data, the	product does not	contain any PBT or vi	PvB substances.					
12.6. Er	ndocrine disrupting proper	ties							
Ва	ased on available data, doe	s not contain endo	ocrine disruptors.						
12.7. O	ther adverse effects								
N	o adverse effects are expec	ted.							
	3. Disposal consideration	IS							
13.1. W	/aste treatment methods								
13.1.1. F	Product/Packaging disposal:								
	Submit for disposal to the l Protection.	egal person author	ized by the Ministry	of Environmental an	d Nature				
13.1.2.	Waste codes/waste designa	itions according to	Low:						
F	Packaging that contains res	idual hazardous su	bstances or is contai	minated with hazard	ous substances				
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 sewag	ge system.						
13.1.5. (	Other disposal recommend	ations:							
[	Do not dispose of the prod authorized by the ministry in the packaging to the collec	uct's remains into t n charge. Do not d	lispose of the packag	jing into the sewage					



#### **SAFETY DATA SHEET**

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

Page 15 of 17

Trade name:	EA 50 REAGENT, PAP 3B				
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

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



Page 16 of 17

Trade name:	EA 50 REAGENT, PAP 3B				
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version:	5

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

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations				
	Authorisation and/or re	estrictions on use			
	Authorisations:	-			
	Restrictions:	-			
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (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; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);			
	Information according guideline)	1999/13/EC about limitation of emissions of volatile organic compounds (VOC-			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act			



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

amended by Regulation (EU) No. 2020/878

			Pa	age 17 of 17
Trade name:		EA 50 REAGENT, P	AP 3B	
Product code:	EA50-OT-X**	Date of compilation:	10 July 2024	Version: 5

None

SECTIO	ON 16. Other informati	on			
16.1.	Indication of changes	:	-		
16.2.	Abbreviations and ac	onyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemica Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature referend data:	ces and source of	-		
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	cation	Classification pro	ocedure		
-		_			
16.5.	Relevant H statement	s (number and full text	t)		
	225	Highly flammal	ble liquid and vapor.		
	H: 302	Harmful if swal	lowed.		
16.6.	Training advice:	-			
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging of the product)  ion: 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	
-	



Page 1 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8

1.1.	Product identifier				
	Trading name:	HEMATOXY	LIN HP, PAI	P 1A	
	Chemical name:	_			
	Catalogue number:	НЕМНР-ОТ	-X**		
1.2.	Relevant identified uses of the substance or mixture and uses advised against				
	Uses:		Modified hematoxylin acc. to Harris for nuclear staining acc. to Papanicolaou.		
	Uses advised against:		Only the identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier of the safety data sheet				
	Supplier: Bi		BioGnost Ltd.		
	Address:	M	Medjugorska 59, Zagreb		
	Telephone number: +		+385 1 2409997		
	Fax no.:	+3	+385 1 2404039		
	e-mail of competent pe	erson: <u>m</u> e	msds@biognost.hr		
	National contact:	-			
1.4.	Emergency telephone number				
	National Protection and	l Rescue Dire	ctorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			_	

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



Page 2 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8

	Hazard pictograms:	GHS05	
	Signal word:	Danger	
	Hazard statements:	H318 Causes serious eye damage.	
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P310 Immediately call POISON CENTER or a doctor/physician if exposed.	
	Supplemetal hazard information (EU):	-	
2.3.	Other hazards		
	Endocrine Disrupting Properties:  No known endocrine disrupting properties  Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB.		

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS						
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)		
7784-31-8/ 616-524-3/ -	-	9 - 10 %	aluminum sulfate octadecahydrate	Eye Dam. 1; H318		
107-21-1/ 203-473-3/ 603-027-00-1	01-2119456816- 28-xxxx	≤ 10 %	ethylene glycol	Acute Tox. 4, H302		

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



Page 3 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8

	Following eve contact:		Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.
			Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.
	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 a	aider:	Treat symptomatically.
4.2.	Most important symptoms	and eff	ects, both acute and delayed
	Following inhalation:		lation of large amounts of vapors in inadequately ventilated perimeter cause coughing, sneezing, headache and nausea.
	Following skin contact:	_	nt irritation. After short exposure, resorption effects are not likely. Long- n exposure may cause drying, cracking and tingling sensation of skin.
	Following eye contact:		ct eye contact may cause slight to moderate irritation, lacrimation and ning sensation. If the symptoms persist, immediately call a physician.
	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.	
4.3.	Indication of any immediat	e medio	cal attention and special treatment needed
	-		

SECTIO	SECTION 5 FIREFIGHTING MEASURES				
5.1.	Extinguishing media				
	Suitable extinguishing media:  Small fire - water spray, dry powder, CO <sub>2</sub> Large fire - water spray or alcohol-resistant foam				
	Unsuitable extinguishing media: water jet				
5.2.	Special hazards arising from the substance or mixture				
	Hazardous combustion products: 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.				



Page 4 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8

6.1.	Personal precautions, protective equipment and emergency procedures			
6.1.1.	For non-emergency personnel			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Wear protective equipment (	see Section 8).		
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material for containment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.		
6.3.3.	Other information:	-		
6.4.	Reference to other sections			
	See Section 7 for information about secure handling.  See Section 8 for information about personal protective equipment.  See Section 13 for information about containment.			

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



Page 5 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8

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

SECTION 8 EX	XPOSURE CO	NTROLS/PER	SONAL	PROTECTION						
8.1. Cont	rol parameter	parameters								
Subs	CAS I	CAS No		Occupational exposure limit values/short term values		ological limit values				
				mg/m³	mg/m³					
				-	-	No infor	mation available			
		·				·				
Substance name: Aluminium sulphate octadecahydrate										
EC No:	233-135-0	CAS No:	778	34-31-8						
DNEL										
				Industrial						
Route of		Acute		Acute	Chronic		Chronic			
exposure:	ef	fect local	effe	ect systemic	effect lo	ocal	effect systemic			
Oral	-		-		-		-			
Inhalation	alation			-	·	13,4 mg/m <sup>3</sup>				
Dermal 3,8 mg/kg bw						3,8 mg/kg bw/day				
Critical physic	al parameters	solubility, fla	mmabili	ty, corrosivity:	-					



Page 6 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A							
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8			

			Co	onsumer				
Route of exposure:			Acute effect systemic		Chronic effect local	Chronic effect systemic		
Oral		-	-		-	-		
Inhalation		-	-		-	-		
Dermal		-	-		-	-		
PNEC								
Environmen	ital protec	tion target		PNEC				
Fresh water				No infor	mation available			
Freshwater	sediments	5		No infor	mation available			
Marine wate	er			No infor	mation available			
Marine sedi	ments			No infor	mation available			
Food chain				No infor	mation available			
Microorgan	isms in se	wage treatment		No infor	mation available			
Soil (agricul	tural)			No infor	mation available			
Air				No information available				
8.2.	Exposure	e controls						
8.2.1.	Engineer	ring measures						
	measure	ce/mixture related s to prevent expos dentified uses:	lir⊖ :	Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structura exposure	al measures to preve:	No information available					
	•	ational measures to exposure:		Organization of work in order to reduce other worker's influence during work process.				
	Technica exposure	Il measures to prev e:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal	protection equipm	nent					
8.2.2.1.	Eye and	face protection:	Safety visor.	ety glasses that stick to face (preventing splashing) (EN 166) or or.				
8.2.2.2.	Skin pro	tection						
	Hand protection:			material: ni thickness: ≥	e according to standard E trile rubber e0.11 mm ne: >480 min	N 374.		
	Other sk	IN DIOTECTION:		antistatic clothing made of natural fibers (such as cotton) with long s (EN 13034), and shoes that cover the entire foot (EN 10335).				



Page 7 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A						
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8		

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

Information on basic physical and cher	nical properties					
	Value	Method				
Physical state:	liquid	No information available				
Color:	red-purple	No information available				
Odour/odour threshold:	no odor/no information available	No information available				
Melting point / freezing point:	No information available	No information available				
Boiling point or initial boiling point and boiling range:	No information available	No information available				
Flammability:	No information available	No information available				
Lower and upper explosion limit:	No information available	No information available				
Flash point:	No information available	No information available				
Auto-ignition temperature:	No information available	No information available				
Decomposition temperature:	No information available	No information available				
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				



Page 8 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A						
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8		

9.2.	Other information
	-

SECTIO	SECTION 10 STABILITY AND REACTIVITY					
10.1.	Reactivity:	See subsections 10.3 through 10.5.				
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.				
10.3.	Possibility of hazardous reactions:	With strong oxidants, sodium-hydroxide, sulfuric acid, aluminum.				
10.4.	Conditions to avoid:	Sources of heat, sparks, and ignition.				
10.5.	Incompatible materials:	Aluminum.				
10.6.	Hazardous decomposition products:	No information available.				

<b>SECTION 11 TOXIC</b>	COLOGICAL INFORM	ATION					
11.1. Informatio	n on hazard classes as	defined in Reg	ulation (EC) No 1272	2/2008			
Acute toxic	city:						
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results		
Oral exposure:	anhydrous (ECHA)	rabbit	LD <sub>50</sub>	-	>2.000-<5.000 mg/kg (aluminium sulphate octadecahydrate)		
Dermal exposure:	anhydrous (ECHA)	rat	LD <sub>50</sub>	-	>5.000mg/kg (aluminium sulphate octadecahydrate)		
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-		
Specific ta	rget organ toxicity – s	ingle exposure (	(STOT SE):				
	Specit	fic effects	Target	organ	Note		
Oral exposure:	No information	available	No informatio	n available	-		
Dermal exposure:	No information	available	No informatio	n available	-		
Inhalation exposure	: No information	available	No informatio	n available	_		
Respirator	No info	No information available					
Irritation a	nd corrosion						
	Exposure time	Species	Evaluation	Method	Note		



Subchronic

Chronic oral

inhalation

available

available

No information

No information

available

available

information

information

available

No

No

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

**Page 9 of 17** 

available

available

No information

No information

					Page	9 01 17	
Trading name:							
Product code:	HEMHP-OT-X	** Re	evision date:	16 July 2024	Version:	8	
Chin innitations		***					
Skin irritation:	-	-	-	-			
Eye irritation:	-	_	-	-	Causes seriou damage	is eye	
				<u> </u>			
Sensitiza	ation						
Dermal exposure	: No information	available					
Inhalation exposure:	No information	available					
ехрозите.							
Sympto	ms related to the pl	nysical, chemic	al and toxicolog	gical characterist	ics		
Oral exposure:	No informat	-					
Dermal exposure	: No informat	ion available					
Inhalation expos	ure: No informat	ion available					
Eye exposure:	Causes serio	us eye damage	e				
-							
Repeate	ed dose toxicity (sub	acute, 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	No information	No information	No information available	-	

available

available

available

information

information

No

No

available

available

available

information

information

No

No



Page 10 of 17

									Page 1	0 of 17
Trading name:	ame: HEMATOXYLIN HP, PAP 1A									
Product code:	НЕ	HEMHP-OT-X**		Revision date:		16 July 2024	V	Version:		
Chronic dermal		No information informavailable				n	No information available	No informavailable		_
Chronic inhalation	No availa	information able	No informatio available	formation information		on	No information available	No information _ available		-
Specific	c target	organ toxicit	v – roposto	nd ov	rocuro (ST	OT 1	DE).			
Specific	t target		pecific effec		posure (31	011	Target orga	n		Note
Subacute oral		No informa	•			No i	nformation avail		_	Note
Subacute derma	al	No informa					nformation avail			
Subacute inhala		No informa					nformation avail		_	
Subchronic oral	CIOII	No informa					No information available			
Subchronic derr	mal					No information available			-	
Subchronic inha						No information available		-		
Chronic oral		No informa	ntion availak	on available No		No i	nformation avail	able	-	
Chronic dermal		No informa	ition availak	n available No		No i	nformation avail	able	-	
Chronic inhalati	on	No informa	ition availab	ble		No i	nformation avail	able	-	
CMR e	ffects (c	arcinogenicit	y, mutageni	icity,	, reproduct	ive t	oxicity)			
Carcino	genicit	y:	Currer	nt stı	udies on te	est a	nimals did not in	dicate carc	inogeni	c effects.
Mutag	enicity i	n-vitro:	Currer	nt <i>in</i>	n vitro tes	tests did not indicate mutagenic effects.				
Genoto	oxicity:		No inf	form	ation avail	able				
Mutag	enicity <i>i</i>	n-vivo:	Currer	nt <i>in</i>	<i>n vivo</i> test	s di	d not indicate m	nutagenic e	effects.	
Germ o	ell muta	agenicity:	No inf	information available						
Reproc	productive toxicity:  No toxicity on organs.				ty on rep	rodu	ctive organs wa	as determ	ined in	reproductive
Summa	ary of ev	valuation of t	he CMR pro	opert	ties: -					
11.2. Informa	ation or	other hazard	ds:							
11.2.1. Endocr	ine disr	upting prope	rties:							
	cnown ties that	endocrine affect huma	disrupting n health.	ıg						
11.2.2. Other i	nformat	tions:								



Page 11 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8

12.1. Toxic	ity							
Acute (short-toxicity	erm)	Dose	Exposur time	e Species	M	ethod	Evaluation	Note
Fish		LC <sub>50</sub>	96 hours	Fish		No rmation ailable	>85.9 mg/l (aluminium sulphate octadecahydrate)	-
Crustacea:		EC <sub>50</sub>	48 hours	water flea		No rmation ailable	>200 mg/l (aluminium sulphate octadecahydrate)	-
Algae/aquatic	plants	IC <sub>50</sub>	8 days	algae	1	No rmation ailable	_	<b>–</b>
Microorganisn	ns	LC <sub>50</sub>	72 hours	-	-		_	-
Chronic toxicit	:y	Dose	Exposur time	e Species	М	ethod	Evaluation	Note
Fish		LC <sub>50</sub>	96 hours	No information available		rmation lable	No information available	_
Crustacea:		EC <sub>50</sub>	48 hours	No information available	-	rmation lable	No information available	_
Algae/aquatic	plants	IC <sub>50</sub>	72 hours	No information available		rmation lable	No information available	_
Other organis	ms	-	-	-	-		-	-
12.2. Persis	stence a	nd degrada	bility					
	ic degra		· ·					
·	Deg	radation ha	If-lives	Method		Evaluation		Note
Marine water	No inf	ormation a	vailable	No information avai	lable	No info	rmation available	-
Fresh water	r No information available		No information avai	lable	No info	rmation available	-	
Air	No information available		vailable	No information available		No information available		-
Soil	No inf	ormation a	vailable No information available No information a		rmation available	-		



Page 12 of 17

Trading	g name:	me: HEMATOXYLIN HP, PAP 1A									
Produc	ct code:	HEM	HP-OT-	X**	Rev	ision d	ate:	16 July 202	4	Version:	8
No info availabl	ormation le	No availabl		mation	No inforr available	mation		No informat available	ion	No informa available	tion
12.3.	Bioaccum	ulative <sub>ا</sub>	potential								
	Partition (	coefficie	nt: n-oct	tanol/wa	ter (log K	ow):					
Valu	e Co	ncentra	tion	рН	°C	Me	ethod	Evalu	uation		Note
-	No avail		nation	-	-	No info	ormatior le	n No informavailable		-	
	Bioconcei	ntration	factor (F	SCF)							
V	'alue	Teracion	Specie			Method	1	Evaluat	ion		lote
	rmation	No availa	inf	ormatio				No information available		No information available	
	Chronic e	cotoxici	tv								
	Value		Dose	e E	xposure time	Spe	ecies	Method	Eva	luation	Note
Chronic	toxicity or	ı fish	LC <sub>50</sub>	1	ormation ailable	No infori availa	mation able	No information available	No inf availat	ormation ole	-
Chronic toxicity on crustacea ( <i>Daphnia</i> )		EC <sub>50</sub>	1	ormation	No infori availa	mation able	No information available	No inf availat	ormation ole	_	
								:		:	
12.4.	Mobility i	n soil									
	Known or	predict	ed distril	bution i	n environr	mental o	compart	ments:			
	No inforn	nation a	vailable								
	Surface te	ension:									
	Value		°C		Concentr	ation		Method		No	te
	No information available		o formatio ⁄ailable	n i	No informa vailable	ation	No inf availat	ormation ole	-		



Trading name:

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

**HEMATOXYLIN HP, PAP 1A** 

Page 13 of 17

Product co	ode: H	IEMHP-OT-X**	Revisio	Revision date: 16 July		y 2024	Ve	Version: 8	
Ad	sorption /	desorption							
Transport	-	coefficient y's constant	log Kow	Evaporatio	n rate	Meth	od		Note
Soil-water	No available	information	No information available	No informavailable	ation	No inform available	nation	-	
Water-air	No available	information	No information available	No informavailable	ation	No inform available	nation	-	
Soil-air	No available	information	No information available	No informavailable	ation	No inform available	nation	-	
		T and vPvB asses							
Ва	sed on ava	ilable data, the p	product does not	contain any	PBT or v	/PvB substa	nces.		
12.6	al		•						
		rupting propert	ng properties that	t affact the o	nvironn	aont			
INC	KIIOWII EII	docine distupti	ng properties that	t affect the e	IIVIIOIIII	ient.			
12.7. Ot	her advers	e effects							
		ffects are expect	ted.						
<u> </u>		<u> </u>							
SECTION 1	3 DISPOS	AL CONSIDERA	TIONS						
13.1. \	Waste treat	ment methods							
13.1.1. F	Product/Pa	ckaging disposa	l:						
	Submit for Protection.	disposal to the I	egal person autho	orized by the	Ministr	y of Enviror	nmental	and Natu	ure
í									
			ations according to	o Law:					
1	No informa	tion available							
13.1.3. \	Naste treat	ment – relevant	information:						
		tion available	iniormation.						
<u>  '</u>									
13.1.4.	Sewage dis	posal – relevant	information:						



Page 14 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A					
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8	

	Waste must not be disposed of into the sewage system.						
13.1.5.	Other disposal recommenda	ations:					
	authorized by the ministry in	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.					
13.1.6.	Relevant Community provis	ions:					
	-						
SECTION	N 14 TRANSPORT INFORMA	TION					
	Transporting/shipment by roa	ad (ADR)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing (	group:	-					
Environm	nentally hazardous:	-					
Special p	recautions for user:	-					
	Transporting/shipment by rail	(RID)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing	group:	-					
Environn	nentally hazardous:	-					
Special p	recautions for user:	-					
	Inland waterway transport (AD	NO.					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing (	group:	-					
Environn	Environmentally hazardous: -						
Special p	recautions for user:	-					
	Transporting/shipment by sea	a (IMDG)					
UN numl	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpor	t hazard class(es):	_					



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

amended by Regulation (EU) No. 2020/878

Page 15 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A					
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8	

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

Safety, nealth and enviro	Safety, health and environmental regulations/legislation specific for the substance or mixture					
EU regulations						
Authorization and/or res	trictions of use					
Authorizations:	-					
Restrictions:	-					
Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);					



Page 16 of 17

Trading name:	HEMATOXYLIN HP, PAP 1A					
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8	

	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessment	
	None	

SECTIO	ON 16 Other information				
16.1.	Indication of changes:	-			
16.2.	Abbreviations and acrony	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references a source of data:	nd -			
16.4.	Classification and procedu 1272/2008 (CLP)	re used to derive the classification for mixture according to Regulation (EC)			
Classifi	cation	Classification procedure			
-		-			
16.5.	Relevant H statements (nu	ımber and full text)			
	H: 302	Harmful if swallowed.			
	318	Causes serious eye damage.			
16.6.	Training advice:	-			
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

#### ANNEX: EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT

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#### **SAFETY DATA SHEET**

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

Page 17 of 17

Trading name:		HEMATOXYLIN HP, PAP 1A				
Product code:	HEMHP-OT-X**	Revision date:	16 July 2024	Version:	8	



#### **SAFETY DATA SHEET**

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

Page 1 of 17

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

1.1	Product identifier					
	Trading name:	HISTANOL 9	5			
	Chemical name:	Ethyl alcohol	Ethyl alcohol			
	Catalogue number:	H95-X**	H95-X**			
1.2	Relevant identified uses of the substance or mixture and uses advised against					
	Uses:		For use	in histocytology and cytology sample processing.		
	Uses advised against:		Only the	e identified uses are advised. Unsuitable for human aption.		
	Reason why uses advised against:			The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3	Details of the 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	Emergency telephone number				
	National Protection a	nd Rescue Dire	ctorate:	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 Reg	ulation (EC) No 12	272/2008 (CLP)			
	Hazard class and catego	Hazard class and category code: Hazard statements*:				
	Flam. Liq. 2		H225			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-	statements: see S	SECTION 16			
2.2	Label elements					
	Product identification:	HISTANOL 95				
	Identification number:	-				
	Authorization number:	-				



Page 2 of 17

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

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

SECTION 3. Co	SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	~ 95%	ethanol	Flam. Liq. 2; H225			

SECTI	CTION 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:	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.			



Page 3 of 17

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

	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.		
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting.  Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.		
	Self-protection of the first aider:	-		
4.2	Most important symptoms and 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 medi	cal attention and special treatment needed		
	If larger quantities have entered the body, obtain medical treatment (gastric lavage, activated carbon).			

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



Page 4 of 17

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

6.1	Personal precautions, protective	ve equipment and emergency procedures			
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	ventilation. Vapours may accu	and clothing and inhaling gases, vapours and aerosols. Ensure adequate mulate at floor level in low and confined spaces. Remove all heat, ignition chines. Ignition spark arrestor must not be operated in the danger area. Use the risk of slipping.			
6.2	Environmental precautions:	Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.				
6.3	Methods and material for con-	tainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.			
6.3.2.	Cleaning up:	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. During the collection, placement, disposal of the waste, wear appropriate individual protective equipment. Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).			
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).			
	Reference to other sections				
6.4	Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.			

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



Page 5 of 17

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

	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.	
	Measures to prevent aerosol and dust generatio	n:	Ensure adequate ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		Protect against electrostatic charges.	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.	
7.2	Conditions for safe storage, including any incom			
	Technical measures and storage conditions:	away from unopened	well-ventilated place, protected from sunlight, a sources of heat and ignition, in its original, and hermetically sealed packaging, away dizing agents, food, feed and articles of ion.	
	Packaging materials:	Manufacturer's original packaging.  Keep away from food and drink. Keep the containers tightly closed.		
	Requirements for storage rooms and vessels:			
	Advices for storage equipment:	be resistar	ge must be made of hard material; floors must nt to chemicals. There must be no drain that eads into sewage system. Secure proper n.	
	Further information on storage conditions:	and do n	ace the unused material in the storage room not use empty containers for storing other. Do not store with incompatible materials (see 0).	
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 term values	Biological limit values	
		ppm	mg/m³	_	
Ethanol	64-17-5	1000/-	1900/-	-	
Substance name: -					



exposure:

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

								Page 6 of 1	7
Trading name:					HIST	TANOL 95			
Product code:	H95-X*	*		Revisi	on date:	05 Dec 202	2	Version:	6
	ı			1					
EC No:	-	CAS No	o:	_					
DNEL									
	1		<u> </u>	In	dustrial				
Route of	Acı			Acute		Chronic		Chronic	
exposure:	effect	local	effe	ct systemi	С	effect local	•	effect systemic	
Oral	1000		-		-		-		
Inhalation	1900 mg (ethanol	•	-		-		380 mg	/m³ (ethanol)	
Dermal	-	,	-		-		343 mg	/kg (ethanol)	
Critical physical	parameters:	solubility	, flamm	ability, co	rrosivity:	-	<b>.</b>		
				Co	nsumer	i			
Route of	А	cute		Acute		Chronic		Chronic	
exposure:	effe	ct local	effe	ct systemi	ic	effect local	(	effect systemic	
Oral	-		-		-		87 mg/	kg bw/day (eth	anol)
Inhalation	950 m (ethar	_	-		-		114 mg	/m³ (ethanol)	
Dermal	-		-		-		206 mg	/kg (ethanol)	
PNEC									
Environmental p	rotection tar	get			PNEC				
Fresh water					0.96 mg/l (ethanol)				
Freshwater sedir	nents				3.6 mg/kg (ethanol)				
Marine water					0.79 mg/	l (ethanol)			
Marine sedimen	ts				2.9 mg/k	g (ethanol)			
Food chain					380-720 mg/kg (ethanol)				
Microorganisms	in sewage tr	eatment			580 mg/l (ethanol)				
Soil (agricultural	)				0.63 mg/kg (ethanol)				
Air					no information available				
8.2 Exp	osure contro	ls							
8.2.1. App	propriate eng	jineering	contro	ls					
	Substance/mixture related measures prevent exposure during identified u			concentr concentr existing	of a hazardous ation limit it is t ation levels dowr scientific and tec is substance poses	the employ to a minii hnological	ver's duty to mum achievabl means, where	keep le by	
Stru	ıctural meası	ures to pi	revent		In accordance with Section 7.				



Page 7 of 17

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

	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.	
	Technical measures to prevent exposure:		In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation.	
	'	'	Use non-sparkling ventilation system.	
			Provide appropriate personal protective equipment, safety shower and eye-wash station.	
8.2.2.	Personal protection equipment			
8.2.2.1.	Eye and face protection:		propriate, chemical-proof protective glasses/face shield (EN 321-1:2022, EN 166).	
8.2.2.2.	Skin protection			
	Hand protection:	Use appropriate, chemical-resistant protective gloves (EN 374).		
	Other skin protection:	Use ap	propriate protective clothing.	
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If necessary are a self-contained breathing apparatus. For short and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).	
8.2.2.4.	Thermal hazards:	No the	ermal hazards known.	
8.2.3.	Environmental exposure controls			
	Substance/mixture related measures to prevent exposure:	See Se	ction 6	
	Structural measures to prevent exposure:	Use mo	odern equipment.	
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.	
	Technical measures to prevent exposure:	See Section 6		

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		



Page 8 of 17

Trading name:		HISTAN	IOL 95	_	
Product code:	H95-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
	Lower 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 for	rom ethyl alcohol form an expl	osive mixture with air

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

SECTION 11. Toxicological information							
11.1 Information	n on hazard cl	asses as defined in	Regulation (EC) No 127	/2/2008			
Acute toxi	city:						
Route of exposure:	Method	Species	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure time	Results		



Page 9 of 17

	1						Page 9 0	)T 1 <i>1</i>
Trading name:				HISTA	NOL 95			
Product code:	H95-X**		Revisior	Revision date: 05 Dec 2022			Version	6
Oral:	-	rat (ethano		LD <sub>50</sub>		-		0 mg/kg
Dermal:	-	rabbit (ethar		LD <sub>50</sub>		-	- >20.0	
Inhalation:	- rat (ethan		ol)	LC <sub>50</sub>		4 h	>8.0	000 mg/l
C:ti t		visia visuale e		(CTOT CE).				
Specific to		xicity – single ex pecific effects	xposure (	(STOT SE).	Target orga	n	Not	^
Oral:		tion available		No info	Target orga rmation avail		NOL	<u>e</u>
Dermal:		tion available			rmation avail			
Inhalation:	No informa	tion available		No into	rmation avail	able -		
Aspiratio	n hazard:		No info	rmation av	/ailahle			
Aspiration	i nazara.		140 11110	THAT OF A	ranabic.			
Irritation	and corrosion							
	Ехро	osure time	Spe	cies	Evaluation	Method	No	te
Skin corrosion/irritation	- 1:		-		-	-	-	
Serious eye damage/irritation	-		_		-	-	-	
Sensitizat	ion							
Skin sensitization:	No	information av	/ailable.					
Respiratory sensiti		information av						
Symptom	s related to th	e physical, chen	nical and	toxicolog	ical character	istics		
Oral exposure:	unconsci	on of great ousness and alc may occur. Rep	ohol poi	soning. Ín	case of swallc	wing great qu	uantities, na	usea and
Dermal exposure:	After pro	olonged or rep of skin.	eated e	xposure s	ymptoms ma	ay include: d	efatting, dr	yness an
Inhalation exposui	re: Inhalation membrar	n of great quant nes.	tities may	/ cause diz	ziness, eupho	ria and mild ir	ritation of th	ne mucou
Eye exposure:	May caus	se irritation and	redness.					
Donostod	I dose toxicity (	(subacute, subc	nronic, cl	hronic)				
кереатео	dose toxicity	Exposure		,				



Page 10 of 17

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

Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	_
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

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



Page 11 of 17

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

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

SECTION 12. Ecological information  12.1 Toxicity							
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	_	



Value

Species

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

Tue die et mana					·uct	4 N O I O E		Pag	e 12 of 17	<i>,</i>
Trading name						ANOL 95				
Product code	: H	195-X**		Revisi	on date:	05 Dec	2022	Ve	Version: 6	
Crustacea:		EC <sub>50</sub>	48 hours	No ir availa	oformation able	No information available	No in availa	formation able	-	
Algae/aquatic	ne/aquatic plants IC <sub>50</sub> 72 hour		72 hours	No ir availa	formation able	No informatior available	1	No information available		
Other organism	ns	-	-	-		-	-		-	
	ic degr	and degrada	-							
	De	egradation l	nalf-lives		thod	Evalua			Note	
Marine water	No i	nformation	available	No infor		No informa available	tion	-		
Fresh water	No i	nformation	available	No infor		No information available		-	-	
Air	No i	nformation	available	No infor		No information available		-		
Soil	No i	nformation	available	No infor		No information available		-		
Biode	gradati	ion								
% Degradati		Time	(days)	Me	ethod	Evalua	ntion		Note	
No information available			nformation	No infor		No informa available	tion	No infor available		
12.3 Bioaco	cumula	tive potenti	al							
Octan	ol-wat	er partition	coefficient (l	og Kow)						
Value	Cor	ncentration	рН	°C	Method	Ev	aluation		Note	
Log Pow: ~ 0.32	-		-	-		-			roduct doe cumulate	es no
Bioco	ncentra	ation factor	(BCF)							

Method

Evaluation

Note



Page 13 of 17

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

Product co	ode: H	H95-X**		Revision	sion date: 05 De		ec 207	22	Version:	6
BCF: 0.66	No information available		nation	No inforr available		No info		on -		
Chı	hronic ecoto	oxicity								
V	Value	Dose		osure ime	Species	Meth	od	Evaluatio	n Not	е
Chronic toxi	xicity on fish	1 LC <sub>50</sub>	No infor availa	mation i	No Information available	No informa availab		No information available	n -	
Chronic toxi crustacea ( <i>C</i>	-	EC <sub>50</sub>	No infor availa	mation i	No Information available	No informa availab		No information available	n -	
12.4 Mc	lobility in so	il								
		il dicted distributi	on in e	environme	ntal compart	ments:				
Kno		dicted distributi	on in e	environme	ntal compart	ments:				
Kno No	nown or pre	dicted distributi on available	on in e	environme	ntal compart	ments:				
Kno No Sur	nown or pre o informatio	dicted distributi on available		environme oncentratio		ments: Metho	od		Note	
No Sur No info	nown or pre o informatio urface tensio Value	dicted distributi on available on:	Co		on	Metho Formation		-	Note	
No Sur No info	nown or pre o informatiourface tensio Value o formation	on available on:  °C  No information	Co	oncentratio	on on No inf	Metho Formation		-	Note	
No Sur No info	nown or pre o informatiourface tensio Value o formation	on available on:  °C  No information available	Co	oncentratio	on on No inf	Metho Formation			Note	
No Sur No info	nown or pre o informatio urface tensio Value o formation vailable  dsorption /	on available on:  °C  No information available	No ava	oncentratio	on on No inf	Metho Formation ole	1	Method	Note	
No Sur No info ava	nown or pre o informatio urface tensio Value o formation vailable  dsorption /	dicted distribution available on:  °C  No information available  desorption  D coefficient cry's constant information	No ava	oncentration information ilable og Kow	on No inf availal	Metho Formation ole on rate	1	Method		
No Sur No info ava	o information Value o formation vailable dsorption / Her	dicted distribution available  On:  °C  No  information available  desorption  D coefficient arry's constant information able information	lo No ir availa	oncentration information able information	Evaporati No inform	Methorole on rate	No ir	Method  nformation able nformation		

Based on available data, the product does not contain any PBT or vPvB substances.



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

amended by Regulation (EU) No. 2020/878

Trading name: HISTANOL 95

Product code: H95-X\*\* Revision date: 05 Dec 2022 Version: 6

12.6.	Endocrine disrupting prope	erties
	Based on available data, do	pes not contain endocrine disruptors.
12.7.	Other adverse effects	
	Do not let the product or it	ts residues reach sewer system, waterways and soil.
	N 13. Disposal considerati	
13.1	Waste treatment method	ds
13.1.1.	Product/Packaging dispo	osal:
	<u> </u>	e legal person authorized by the Ministry of Environmental and Nature
	Protection.	
13.1.2.	Waste codes/waste desig	gnations according to Law:
	Packaging that contains	residual hazardous substances or is contaminated with hazardous substances
13.1.3.	Waste treatment – releva	
	No information available	
13.1.4.	Sewage disposal – releva	nt information:
13.1.4.		osed of into the sewage system.
	vvaste mast not be dispe	sed of the sewage system.
13.1.5.	Other disposal recomme	ndations:
	authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit llectors authorized by the ministry in charge. Unused product residues may be
13.1.6.	Relevant Community pro	visions:
	Disposal must be made a	according to official regulations.
SECTIO	N 14 TRANSPORT INFORM	MATION
	Transporting/shipment by	road (ADR)
UN nun		1170
······	per shipping name:	Ethanol solution
•	ort hazard class(es):	3
Packing	ງ group:	II .



#### **SAFETY DATA SHEET**

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

Page 15 of 17

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

Environmentally hazardous:	_
Special precautions for user:	-
Transporting/shipment by rail (R	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (II	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	ll .
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	



Page 16 of 17

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

15.1	EU regulations	nmental regulations/legislation specific for the substance or mixture
	Authorization and/or rest	victions of uso
	-	rictions of use
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (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; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 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 information	
16.1 Indication of changes:	-



#### SAFETY DATA SHEET ling to Regulation (FC) No. 1907/

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

Page 17 of 17

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

16.2	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:	Manufacturer's MSDS file.
16.4.	Classification and procedure (1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)
Classific	cation	Classification procedure
_		-
16.5.	Relevant H statements (numb	er and full text)
	H: 225	Highly flammable liquid and vapor.
16.6.	Training advice:	-
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product)  We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to chemical safety assessment
-



#### SAFETY DATA SHEET

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

Page 1 of 17

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

1.1	Product identifier	tne substanc	e/mixture	e and of the company/undertaking			
1,1		HISTANOL	100				
	Trading name:						
	Chemical name:	-	Ethyl alcohol				
	Catalogue number:	H100-X**					
1.2	Relevant identified us	es of the subs	tance or n	nixture and uses advised against			
	Uses:	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 advi	The product is intended for use only as an <i>in vitro</i> diagnodesised against:  device, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purpose					
1.3	Details of the supplier	of the safety	data shee	et .			
	Supplier:		BioGnost Ltd.				
	Address:		Medjugorska 59, Zagreb				
	Telephone number:		+385 1 2409997				
	Telefax.:		+385 1 2404039				
	e-mail of competent p	person:	msds@l	<u>biognost.hr</u>			
	National contact:		-				
1.4	Emergency telephone	number					
	National Protection a	nd Rescue Dir	ectorate:	112			
	Medical information:			+385 1 2348 342			
	Other information:	Other information:		-			

SECTIO	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 catego	ory code:	Hazard statements*:				
	Flam. Liq. 2		H225				
2.1.2.	Additional information						
	-						
*For ful	ll text of Hazard- and EU Hazard-	statements: see Sl	SECTION 16				
2.2	Label elements						
	Product identification:	HISTANOL 100					
	Identification number:	-					
	Authorization number:	-					



Page 2 of 17

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

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

SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	min. 99 %	ethanol	Flam. Liq. 2; H225

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:	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.	



Page 3 of 17

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

	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting.  Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.	
	Self-protection of the first aider:	-	
4.2	Most important symptoms and 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		

SECTION	SECTION 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 substance 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		
5.3	Advice for firefighters			
	Wear full protective clothing and self-contained breathing apparatus. Cool the fire affected containers with water spray. Use water spray to dissipate alcohol vapours.			
5.4	Additional information			
	-			



Page 4 of 17

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

	ON 6. Accidental release meas			
6.1	Personal precautions, protecti	ve equipment and emergency procedures		
6.1.1.	For non-emergency personne			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	ventilation. Vapours may accu	and clothing and inhaling gases, vapours and aerosols. Ensure adequate mulate at floor level in low and confined spaces. Remove all heat, ignition chines. Ignition spark arrestor must not be operated in the danger area. Use the risk of slipping.		
6.2	Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.			
	Methods and material for containment and cleaning up			
6.3	Methods and material for con	tainment and cleaning up		
6.3 6.3.1.	Methods and material for con Bunding, covering of drains; capping procedures:	tainment and cleaning up  Sand protective barrier or barriers made of similar materials.		
	Bunding, covering of drains;			
6.3.1.	Bunding, covering of drains; capping procedures:	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		
6.3.1.	Bunding, covering of drains; 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).  Secure proper ventilation. Do not use incompatible materials (see Section		

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



Page 5 of 17

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

	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generatio	n:	Ensure adequate ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	patibilities			
	Technical measures and storage conditions:	away from unopened	in a well-ventilated place, protected from sunlight from sources of heat and ignition, in its original ened and hermetically sealed packaging, away oxidizing agents, food, feed and articles or imption.		
	Packaging materials:	Manufactu	urer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away tightly clos	r from food and drink. Keep the containers sed.		
	Advices for storage equipment:	be resistar	ge must be made of hard material; floors must nt to chemicals. There must be no drain that eads into sewage system. Secure proper n.		
	Further information on storage conditions:	and do n	ace the unused material in the storage room of use empty containers for storing other Do not store with incompatible materials (see )).		
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

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



Page 6 of 17

									rage o or r	<i>'</i>
Trading na	ame:					HIST	ANOL 100			
Product co	ode:	H100-X	<b>*</b> *		Revisio	on date:	05 Dec	2022	Version:	6
		1	I				1			
EC No:		-	CAS No	:	-					
DNEL										
				ı	Inc	dustrial				
Route of		Acu			Acute		Chronic		Chronic	
exposure:		effect	local	effe	ct systemic		effect local		effect systemic	
Oral		1000	13	-		-		-		
Inhalation		1900 mg (ethanol)		-		-		380	0 mg/m³ (ethanol)	
Dermal		-		-		-		343	3 mg/kg (ethanol)	
Critical phy	sical para	ameters: s	olubility,	flamm	ability, cor	rosivity:	-	•		
					Co	nsumer	<u> </u>			
Route of		Ad	cute		Acute		Chronic		Chronic	
exposure:		effec	t local	effe	ct systemi	С	effect local		effect systemic	
Oral		-		-		-		87	mg/kg bw/day (eth	anol)
Inhalation		950 m (ethan	_	-		-		114	4 mg/m³ (ethanol)	
Dermal		-		-		-		200	6 mg/kg (ethanol)	
PNEC										
Environmer	ntal prote	ection tar	get			PNEC				
Fresh water	ſ					0.96 mg/l (ethanol)				
Freshwater	sedimen	ts				3.6 mg/kg (ethanol)				
Marine wat	er					0.79 mg/	l (ethanol)			
Marine sed	iments					2.9 mg/kg (ethanol)				
Food chain						380-720 mg/kg (ethanol)				
Microorgan	nisms in s	ewage tre	eatment			580 mg/l (ethanol)				
Soil (agricu	ltural)					0.63 mg/kg (ethanol)				
Air					no information available					
8.2	Exposu	re contro	s							
8.2.1.	Approp	riate eng	ineering	control	s					
Substance/mixture related measures to prevent exposure during identified uses:		concentra concentra existing	ation limit it ation levels c scientific and	is the em lown to a i technolog	ial with no contronployer's duty to lessential indicate to lessent to lessent to lessent to lessent to lessent lessent to lessent les les les les lessent les	keep e by				
	Structu exposu	ral measu re:	res to pr	event		In accord	ance with Sec	tion 7.		



Page 7 of 17

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

	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.		
Technical measures to prevent exposure:		(posure:	In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation.		
	'	'	Use non-sparkling ventilation system.		
			Provide appropriate personal protective equipment, safety shower and eye-wash station.		
8.2.2.	Personal protection equipment				
8.2.2.1.	Eye and face protection:		propriate, chemical-proof protective glasses/face shield (EN 321-1:2022, EN 166).		
8.2.2.2.	Skin protection				
	Hand protection:	Use ap	Use appropriate, chemical-resistant protective gloves (EN 374).		
	Other skin protection:	Use ap	se appropriate protective clothing.		
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If necessary are a self-contained breathing apparatus. For short and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).		
8.2.2.4.	Thermal hazards:	No the	ermal hazards known.		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:	Use mo	odern equipment.		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.		
	Technical measures to prevent exposure:	See Se	ction 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		



Page 8 of 17

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

	Boiling point or initial boiling point and boiling range:	No information available	No information available		
	Flammability:	No information available	No information available		
	Lower 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 for	rom ethyl alcohol form an expl	osive mixture with air		

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

SECTION 11. Toxicological information									
11.1	11.1 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 time   Results									



Page 9 of 17

Trading name:			HISTANOL 100						
Product code:	H100-X**	F	Revision o	late:	05 Dec 2	2022	Vers	ion: 6	
Oral:		rat (ethanol	ol) LD <sub>50</sub>		1	_	-	7.060 mg/kg	
Dermal:	-	rabbit (ethano	-			-	>20.000 mg		
Inhalation:	-	rat (ethanol)		LC <sub>50</sub>		4 h		>8.000 mg/l	
Specific t	arget organ toy	xicity – single ex	nocuro (S)	OT CEV					
Specific t		pecific effects	posure (3)	O ( 3E)	Target orga	n	Note		
Oral:	•	ion available		No inf	ormation avail			note	
Dermal:		ion available			ormation avail				
Inhalation:		ion available			ormation avail		_		
innalation:	NO Informat	ion available		NO INTO	ormation avail	able	-		
Aspiratio	n hazard:		No inform	nation a	vailable.				
Irritation	and corrosion					1			
	Exposure time		Species		Evaluation	Method		Note	
Skin corrosion/irritation	n: -		-		-	-	-		
Serious eye damage/irritation	-		-		-	-	-		
Sensitiza	tion								
Skin sensitization:		information ava	ailable.						
Respiratory sensit		information ava							
Sympton	ns related to the	physical, chem	ical and to	oxicoloc	gical character	istics			
Oral exposure:	unconscio	on of great ousness and alco may occur. Rep	ohol poiso	ning. In	case of swallo	wing great o	•	, nausea and	
Dermal exposure:	After pro	longed or repe of skin.	eated exp	osure s	symptoms ma	ay include: o	defatting,	dryness and	
Inhalation exposu	re: Inhalatior membran	of great quanti es.	ties may c	ause diz	zziness, eupho	ria and mild	irritation	of the mucou	
Eye exposure:	May caus	e irritation and ı	redness.						
Popostos	dosa tovisity (	subacute, subch	ronic chr	onic)					
repeated	Dose	Exposure time	Specie		Method	Evaluati	ion	Note	



Page 10 of 17

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

Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	_
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	_
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

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



Page 11 of 17

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

	CMR effects (carcinogenicity; mutagenicity,	; reproductive toxicity)					
	Carcinogenicity:	Based on available data, the classification criteria are not met.					
	Mutagenicity in vitro:	Based on available data, the classification criteria are not met.					
	Genotoxicity:	Based on available data, the classification criteria are not met.					
	Mutagenicity in vivo:	Based on available data, the classification criteria are not met.					
	Germ cell mutagenicity:	Based on available data, the classification criteria are not met.					
	Reproductive toxicity: Based on available data, the classification criteria are not m						
	Summary of evaluation of the CM properties:	R 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 conta endocrine disruptors.	in					
11.2.2.	Other informations:						
_	-						

SECTION 12. Ecologic	cal informat	ion							
12.1 Toxicity									
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC <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	-			



Value

Species

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

		ANOL 100			
	Day data a state.				
	Revision date:	05 Dec 20	22	Version:	6
48 hours	No information available	No information available	No inform	nation _	
72 hours	No information available	No information available	No inform available	! <u>-</u>	
-	-	-	-	-	
·					
ity					
f-lives	Method	Evaluatio	n	Note	
nter No information available		No information	n -		
No information available		No information available	n -	-	
No information available		No information available	n	-	
ailable	No information available	No information available	<b>1</b> -	-	
ys)	Method	Evaluatio	n	Note	
rmation	No information available	No information available		No information available	
efficient (lo	og Kow)				
рН	°C Method	Evalu	ation	Not	e
		-		The product does no bioaccumulate	
	рН	1	pH °C Method Evalu	pH °C Method Evaluation	pH °C Method Evaluation Not

Method

Evaluation

Note



												'age 13 of 17	
Tradin	ng name:					l	HISTAN	NOL 100	)				
Produ	ct code:	H10	0-X**		Revis	ion da	ate:	05 Dec 2022			Version: 6		
BCF: 0.0	CF: 0.66 No information available		nation	on No information available		No information available							
	Chronic 6	ecotoxic	ity										
	Value		Dose		osure ime	Spe	ecies	Meth	od	Evalı	uation	Note	<b>:</b>
Chronic toxicity on fish		LC <sub>50</sub>	No information		No inforr availa	nation able	No informa availab		No information available		-		
	Chronic toxicity on crustacea ( <i>Daphnia</i> )		EC <sub>50</sub>	No information available		No inforr availa	mation able	No informa availab		No information available		-	
12.4	Mobility	in soil											
			ted distribut	ion in e	environme	ental c	ompart	ments:					
	No inforr		available										
	Surface t		°C	<u> </u>	oncentrat	tion		Metho	d			Note	
	No No No information					formation		-					
	Adsorption	on / des	orption										
Transp	ransport A/D coefficient Henry's constant			lo	log Kow Evaporat		on rate		Method		Note		

No information

No information

No information

available

available

available

No information

No information

No information

available

available

available

12.5	Res	ults	of PBT	and	vPvB	asse	essment
	_						

No

No

No

available

available

available

Soil-water

Water-air

Soil-air

information

information

information

Based on available data, the product does not contain any PBT or vPvB substances.

No information

No information

No information

available

available

available



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

amended by Regulation (EU) No. 2020/878

Page 14 of 17

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

12.6.	Endocrine disrupting prope	rties		
	Based on available data, does not contain endocrine disruptors.			
12.7. Other adverse effects				
	Do not let the product or its	residues reach sewer system, waterways and soil.		
SECTIO	N 13. Disposal consideration	ons		
13.1	Waste treatment methods			
13.1.1.	Product/Packaging dispos			
	Submit for disposal to the Protection.	e legal person authorized by the Ministry of Environmental and Nature		
13.1.2.	Waste codes/waste design			
	Packaging that contains re	esidual hazardous substances or is contaminated with hazardous substances		
13.1.3.	Waste treatment – relevar	nt information:		
	No information available			
13.1.4.	Sewage disposal – relevar			
	Waste must not be dispos	sed of into the sewage system.		
13.1.5.	Other disposal recommen	dations:		
	Do not dispose of the pro authorized by the ministr	oduct's remains into the sewage system. Submit the remains to the collectors y in charge. Do not dispose of the packaging into the sewage system. Submit ectors authorized by the ministry in charge. Unused product residues may be		
13.1.6.	Relevant Community prov	visions:		
Disposal must be made according to official regulations.				
SECTIO	N 14 TRANSPORT INFORM	ATION		
	Transporting/shipment by r	oad (ADR)		
UN number:		1170		
UN proper shipping name:		Ethanol solution		
Transpo	ort hazard class(es):	3		
Packing	group:			



#### **SAFETY DATA SHEET**

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

Page 15 of 17

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

Environmentally hazardous:	_
Special precautions for user:	-
Transporting/shipment by rail (R	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (II	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	ll .
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	



Page 16 of 17

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

15.1	EU regulations	nmental regulations/legislation specific for the substance or mixture		
	Authorization and/or rest	victions of uso		
	·			
	Authorizations:	-		
	Restrictions:	-		
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (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; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).		
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);		
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-		
	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values at on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act			
15.2	Chemical safety assessme	ent		
	None			

SECTION 16. Other information			
16.1 Indication of changes:	-		



#### SAFETY DATA SHEET ding to Regulation (FC) No. 1907/

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

Page 17 of 17

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

16.2	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:	Manufacturer's MSDS file.		
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 (numb	er and full text)		
	H: 225	Highly flammable liquid and vapor.		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product)  We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to chemical safety assessment
-



#### SAFETY DATA SHEET

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

Page 1 of 17

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

SECT	SECTION 1: Identification of the substance/mixture and of the company/undertaking						
1.1.	Product identifier						
	Trade name:	OG-6 REAGEN	IT, PAP 2	2A			
	Chemical name:	-					
	Catalogue number:	OG6-OT-X**					
1.2.	Relevant identified	uses of the subs	tance or	· mixture ar	nd uses advised against		
	Uses:			Cytoplasn	nic staining reagent acc. to Papanicolaou.		
	Uses advised agains	st:		Only the i	dentified uses are advised.		
	Reason why uses ac	lvised 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 suppl	ier of the safety	data she	eet			
	Supplier:		BioG	nost Ltd.	st Ltd.		
	Address:		Medj	ugorska 59	9, Zagreb		
	Telephone number:		+385	1 2409997			
	Telefax:		+385	1 2404039	39		
	E-mail of competen	t person:	<u>msds</u>	<u>@biognost</u>	ost.hr_		
	National contact:		-				
1.4.	Emergency telepho	ne numbers					
	National Protection	and Rescue Directorate		•	112		
	Medical information				+385 1 2348 342		
	Other information:				-		

SECTI	SECTION 2. Hazards identification					
2.1.	Classification of the substa	nce or mixture				
2.1.1.	Classification according to	Regulation (EC) No	. 1272/2008 (CLP)			
	Hazard class and cat	tegory code:		Hazard statement*:		
	Flam. Liq. 2 H225					
2.1.2.	Additional information					
	-					
*For fu	ull text of Hazard- and EU Haz	ard-statements: see	Section 16.			
2.2.	Label elements					
	Product identification: OG-6 REAGENT, PAP 2A					
	Identification number:	-				



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

amended by Regulation (EU) No. 2020/878

Page 2 of 17

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

	Authorisation number:	-
	Hazard pictograms:	GHS02
	Signal word:	Danger
	Warning statement:	H225 Highly flammable liquid and vapor.
	Precautionary statement:	<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>
	Supplemental hazard information (EU):	-
2.3.	Other hazards	
	Endocrine Disrupting Prope	erties:
	No known endocrine disrupti	ng properties
	<b>Results of PBT and vPvB ass</b> PBT or a vPvB.	sessment: According to the results of its assessment, this substance is not a

SECTION 3. Co	SECTION 3. Composition/information on ingredients							
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)				
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	70-90 %	ethanol	Flam. Liq. 2; H225				
107-21-1/ 203-473-3/ 603-027-00-1	-	10-20 %	ethylene glycol	Acute Tox. 4; H302				

SECT	ION 4. First aid measures	
4.1.	Description of first aid meas	ures
	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.



Page 3 of 17

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

	Following skin contact:	Remove all contaminated clothes/footwear. Thoroughly wash with water for at least 15 minutes.		
	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 20 minutes with the eyelids held wide open.		
	Following swallowing:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.		
	Self-protection of the first aider	-		
4.2.	Most important symptoms and effects, both acute and delayed			
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.		
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.		
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		
	Following swallowing:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.		
4.3.	Indication of any immediate med	ical attention and special treatment needed		
	No information available			

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

#### **SECTION 6. Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures



Page 4 of 17

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

6.1.1.	For non-emergency personnel			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Self-contained open-circuit con heat dissipation (fireproof cloth	npressed air breathing apparatus, a set for protecting the body from ing).		
6.2.	Use sand protective barrier to prevent further spillage of chemicals. Prevent environmental pollution not allowing the chemicals to enter the sewage system, surface water or groundwater.			
6.3.	Methods and materials for containment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials		
6.3.2.	Cleaning up:	Sawdust, sand, mineral adsorbents		
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112). Do not use incompatible materials (see Section 10).		
6.4.	Reference to other sections			
	See Section 7 for information on safe handling.			
	See Section 8 for information on personal protection equipment.			
	See Section 13 for disposal information.			

SECTIO	ON 7. Handling and storage	CTION 7. Handling and storage				
7.1.	Precautions for safe handling					
7.1.1.	Protection measures					
	Use in well ventilated storage rooms. Keep away Measures to prevent fire: from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.					
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.				
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.				
	Other measures:	Protect against electrostatic charges.				
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace.	Thoroughly wash hands after work and before eating.				



Page 5 of 17

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

7.2.	Conditions for safe storage, including a	ny incompatibilities				
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Protect from heat and direct sunlight.				
	Packaging materials:	Manufacturer's original packaging.				
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.				
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.				
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).				
7.3.	Specific end use(s)					
	Recommendations:	-				
	Industrial sector specific solutions:	-				

SECTION 8. Exposure	controls/person	al protection							
8.1. Control para	meters	neters							
Substance	CAS No		ccupational e values/short	exposure limit term values	Biological limit values				
			ppm	mg/m³					
Ethanol	64-17-5	5	1000/-	1900/-	No information available				
Ethylene glycol	107-21-	1	20/40	52/104	No information available				
Substance:	-								
EC No:	-		CAS No:	-					
DNEL									
		Ind	lustrial						
Route of exposure:	Acute	Acute	(	Chronic	Chronic				
Route of exposure.	effect local	effect systen	nic ef	fect local	effect systemic				
Oral	-	-	-		-				
Inhalation	1900 mg/m³ (ethanol)	-	35 mg/ (ethyle	/ kg ne glycol)	380 mg/m³ (ethanol)				
Dermal		-	-		343 mg/kg (ethanol) 106 mg/kg (ethylene glycol)				
Critical physical param	neters: solubility, fla	ammability, cor	rrosivity:	-					
		Cor	nsumer						



Page 6 of 17

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

Product	t code. C	)G6-O1-X^*		Date of C	compilation:	14 Nov 2022 Version: 3		
		Acute		Acute	Chronic	Chronic		
Route o	f exposure:	effect local		ct systemic	effect local	effect systemic		
Oral		-	-		-	87 mg/kg bw/day (ethanol)		
Inhalatio	on	950 mg/m <sup>3</sup> (ethanol)	-		7 mg/kg (ethylene glycol)	114 mg/m³ (ethanol)		
Dermal		-	-		-	206 mg/kg (ethanol) 53 mg/kg (ethylene glycol)		
PNEC								
Environr	mental protect	ion target		PNEC				
Fresh wa	ater			0.96 mg/l ( 10 mg/l (et	ethanol) :hylene glycol)			
Freshwater sediments			3.6 mg/kg 37 mg/kg (	(ethanol) (ethylene glycol)				
Marine v	water			0.79 mg/l ( 1 mg/l (eth	ethanol) Iylene glycol)			
Marine s	sediments			2.9 mg/kg (ethanol) 3.7 mg/kg (ethylene glycol)				
Food chain			380-720 mg/kg (ethanol)					
Microor	ganisms in sev	vage treatment		580 mg/l (ethanol) 199.5 mg/l (ethylene glycol)				
Soil (agr	icultural)			0.63 mg/kg (ethanol) 1.53 mg/kg (ethylene glycol)				
Air				no information available				
8.2.	Exposure co	ontrols						
8.2.1.	Appropriate	e engineering con	trols					
		mixture related o prevent exposur tified uses:	<b>A</b> :	Do not eat, drink or smoke in the workspace. Use personal protective equipment.				
	Structural mexposure:	neasures to preve	nt	No informat	ion available			
	Organisatio prevent exp	nal measures to osure:		Organizatior during work		reduce other worker's influence		
	Technical mexposure:	neasures to prever	nt	See Section 7.2				
8.2.2.	Personal pr	otection equipme	nt					



Page 7 of 17

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

8.2.2.1.	Eye and face protection:	of concentration in	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.				
8.2.2.2.	Skin protection						
	Hand protection:	Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374.  Glove material: nitrile rubber  Glove thickness: ≥0.50 mm  Break through time: >480 min					
	Other skin protection:	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:	a filter for organic	mask (EN 136) or half mask (EN 140) equipped with vapors, type "A" (boiling point >65°C) acording to nen concentration levels exceed GVI.				
8.2.2.4.	Thermal hazards:	No information ava	ailable				
8.2.3.	Environmental exposure controls						
	Substance/mixture related mexposure:	neasures to prevent	See Section 6				
	Structural measures to preve	nt exposure:	Use modern equipment.				
	Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace.				
	Technical measures to preve	nt exposure:	See Section 6				

SECTI	ON 9. PHYSICAL AND CHEMICAL	PROPERTIES					
9.1.	Information on basic physical and chemical properties						
		Value	Method				
	Physical state:	liquid	no information available				
	Colour:	orange	no information available				
	Odour/odour threshold:	ethanol like/no information available	no information available				
	Melting point / freezing point:	no information available	no information available				
	Boiling point or initial boiling point and boiling range:	no information available	no information available				
	Flammability:	no information available	no information available				
	Lower and upper explosion limit:	no information available	no information available				



Page 8 of 17

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

	Flash point:	19 °C	no information available
	Auto-ignition temperature:	no information available	no information available
	Decomposition temperature:	no information available	no information available
	рН:	3.0 – 5.5	no information available
	Kinematic viscosity:	no information available	no information available
	Solubility:	no information available	no information available
	Partition coefficient n- octanol/water (log value):	no information available	no information available
	Vapour pressure:	No information available	no information available
	Density and/or relative density:	no information available	no information available
	Relative vapour density:	no information available	no information available
	Particle characteristics:	no information available	no information available
9.2.	Other information		
	-		

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

SECTIO	SECTION 11. Toxicological information								
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008								
	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:		-	rat	LD <sub>50</sub>	-	7.060 mg/kg (ethanol) 7.712 mg/kg (ethylene glycol)			



Trade name:			OG-6 RE	AGENT, PA	P 2A			
Product code:	OG6-OT-X**		Date of compilation:		14 N	14 Nov 2022		n:
Dermal: - rabbit		rabbit	LD <sub>50</sub>		-		>20.000 mg/kg (ethar >3.500mg/kg (ethylene glycol)	
Inhalation: - rat			LC <sub>50</sub>	4 h (e	thanol)		ng/l (etha	nol)
Specific target or	rgan toxicity - single	exposure (	(STOT-SE):					
		fic effects		Taro	get organ	1	No	te
Oral:	No information ava			No inform			-	
Dermal: No information available				No inform	ation ava	ilable -	-	
Inhalation:	No information ava	ilable		No inform	ation ava	ilable -	-	
Aspiration haza	ard:		No inform	ation available	<u> </u>			
Irritation and co	orrosion							
	Exposure time		ecies	Evaluation		Method		No
Skin corrosion/irritation	No information available	No i available	information	No informat available	tion No inform availab			-
Serious eye damage/irritation	No information available	No information available		No informat available	intor		nation ble	-
		1				,		,
Sensitization								
Skin sensitization:	No information	available						
Respiratory sensitization:	No information	available						
Symptoms relate	ed to the physical, ch	emical and	d toxicologica	al characterist	cs			
Oral exposure:	Swallowing may consensation; higher In case of vomiting concentration may	ause irritat levels of co g, aspiratio	tion of muco oncentration on causes co	sa, tingling se may cause na	nsation in usea, abo	dominal pa	ain and vo	miting
Dermal exposure:	Slight irritation. At may cause drying,	ter short e	exposure, res	•		likely. Lon	g-term ex	posur
Inhalation exposure:	Inhalation of large coughing, sneezin		•		ventilate	d perimete	er may cau	ise
Eye exposure:	Direct eye contact sensation.	may caus	e slight to m	oderate irritat	ion, lacrii	mation and	d burning	



Page 10 of 17

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

	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No informati on available	No information available	No information available	-
Subacute dermal	No information available	No information available	No informati on available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No informati on available	No information available	No information available	-
Subchronic oral	No information available	No information available	No informati on available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No informati on available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No informati on available	No information available	No information available	
Chronic oral	No information available	No information available	No informati on available	No information available	No information available	<b>–</b>
Chronic dermal	No information available	No information available	No informati on available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No informati on available	No information available	No information available	-



11.2.2. Other informations:

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

Page 11 of 17

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

Subacute dermal	No information availa	ble	No information available	-			
Subacute inhalation	No information availa	ble	No information available	_			
Subchronic oral	No information availa	ble	No information available	-			
Subchronic dermal	No information availa	ble	No information available	-			
Subchronic inhalation	No information availa	ble	No information available	-			
Chronic oral	No information availa	ble	No information available	-			
Chronic dermal	No information availa	ble	No information available	-			
Chronic inhalation	No information availa	ble	No information available	_			
Carcinogenicity:  Mutagenicity <i>in-vitro</i> :			No information available  No information available				
CMR effects (carcinoger	nicity, mutagenicity, reprodu		•				
Mutagenicity in-vitro:		No information available					
Genotoxicity:		No information available					
Mutagenicity in-vivo:		No information available					
Germ cell mutagenicity:		No information available					
Reproductive toxicity:		No ii	nformation available				
Summary of evaluation	of the CMR properties:	No information available					
11.2. Information on o	ther hazards:						
11.2.1. Endocrine disrup	ting properties:						
No known endo	crine disrupting properties	that					

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	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol)	-			
Crustacea:	EC <sub>50</sub>	48 hours	Daphnia magna	No information available	7.800 mg/l (ethanol) >100 mg/l (ethylene glycol)	-			



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

Page 12 of 17

5.000 mg/l (ethanol)

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

Algae/aquati plants:	IC <sub>50</sub>	72 hours	algae	No information available		6.500-13.	.000 mg/l e glycol)	-
Other organisms	-	-	-	-		-		-
Chronic (long-term) toxicity	Doza	Exposure time	Species	M	ethod	Evalu	ation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No info	ormation ble	on No information available		-
Crustacea:	EC <sub>50</sub>	48 hours No information available No information available		ation	-			
Algae/aquati plants	IC <sub>50</sub>	72 hours	No information available	information No information No information		No informa	ation	-
Other organisms	-	-	-	-		-		-
Abi	otic degradat Degrada	ion tion half-lives	Method	d	Evalu	ation	No	ote
į							No	ote
Marine water	No informat	ion available	No informati available		No information available		-	
Fresh water	No informat	ion available	No informati available	on	No information available		-	
Air	No informat	ion available	No informati available	on	No information available		-	
Soil	No informat	ion available	No informati available	on	No information available		-	
Biodegrad	lation							
% Degradat		me (days)	Method	d	Eva	luation	No	ote
-	-	F 1	-		_		-	
	•	3					-	

Octanol-water partition coefficient (log Kow)



Trade name:

#### **SAFETY DATA SHEET**

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

**OG-6 REAGENT, PAP 2A** 

Page 13 of 17

Product	ct code: OG6-OT-X** Da				ate	ate of compilation:			4 Nov 2022	Version:	3	
Value		Concentrati	ion	рН	°C		Meth	od	Eva	aluation	Note	
-	-			-	-		-		-	-		
												********
		ration Facto					NA -1 - 1			1	<u> </u>	
Valu	ue	Sp	oecies				Method		E	valuation	Note	
No informat available			No in	ıforr	nation availa	able	No info	ormation ble	-			
									***			
Chron	nic ecoto	kicity										
Val	lue	Dose		Exposu	re time		Species	Ме	ethod	Evaluation	Note	9
Chronic on fish	toxicity	LC <sub>50</sub>	N av	o inf vailable	formati	on	No informati on available	No inforr availa	mation Ible	No information available	-	
Chronic on crusto (Daphnia	acea	EC <sub>50</sub>		No information available		on	No informati on available	information		No information available	-	
12.4.	Mobility											
				ution in	enviror	nme	ntal compar	tments	5:			
		rmation ava	iilable									
		tension: alue		°C			oncentratio	<del>,</del>	Method		Note	
		formation	No availat	inform	nation	No	oncentration information ailable	n No			ivote	
Adsor	rption / d	lesorption										
Transpo	rt	A/D coeffice Henry's con			og Kov	V	Evapora	tion ra	te	Method	Note	
	_ <del>_</del>								· <del></del>			



Page 14 of 17

						Pa	age 14 of 1	7
Trade nan	ne:			OG	-6 REAGENT, PA	P 2A		
Product co	ode:	OG6-OT-X**	D	ate c	of compilation:	14 Nov 2022	Version:	3
Soil-Water	No availa	information ble	No informa available	ntion	No information available	No information available	-	
Water-Air	No availa	information ble	No informa available	ition	No information available	No information available	-	
Soil-Air	No availa	information ble	No informa available	No information available	-			
		F PBT and vPvB asser		not o	contain any PBT or v	/PvB substances.		
		· · · · · ·			,			
12.6. E	ndocrine	e disrupting propert	ies					
В	ased on	available data, does	not contain	endo	crine disruptors.			
12.7. O	ther adv	verse effects						
N	o advers	se effects are expec	ted.					
SECTION 1	3. Disp	osal consideration	s					
13.1. W	aste tre	atment methods						
13.1.1.	Product	/Packaging disposal						
		or disposal to the le		uthor	ized by the Ministry	of Environmental ar	nd Nature	
1								
13.1.2.	Waste co	odes/waste designa	tions accordir	ng to	Low:			
	Packagir	ng that contains resi	dual hazardo	us su	bstances or is conta	minated with hazard	dous substan	ices
13.1.3.	Waste tr	eatment – relevant	information:					
	No infor	mation available						
13.1.4.	Sewage	disposal – relevant i	information:					
\	Waste m	nust not be disposed	d of into the s	sewag	je system.			
13.1.5.	Other di	sposal recommenda	ations:					
i	authoriz	ed by the ministry in	n charge. Do	not d		Submit the remains ging into the sewage ge.		
13.1.6. I	Relevant	: Community provisi	ons:					



#### **SAFETY DATA SHEET**

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

Page 15 of 17

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

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



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

amended by Regulation (EU) No. 1907/2006

Page 16 of 17

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

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

5.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture			
	EU regulations			
	Authorisation and/or restrictions on use			
	Authorisations:	-		
	Restrictions:			
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;  Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;  Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;  Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;  REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);		
	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 biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writin Material safety data sheet, Transport of Hazardous Substances Act		
5.2.	Chemical safety assess	sment		
	None			



#### SAFETY DATA SHEET

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

Page 17 of 17

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

SECTIO	ON 16.	Other informatio	n		
16.1.	Indic	ation of changes:		-	
16.2.	Abbreviations and acronyms:		nyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative	
16.3.	Key l	iterature reference	s and source of data: -		
16.4.		ification and proce /2008 (CLP)	edure used to derive th	e classification for mixture according to Regulation (EC)	
Classifi	ssification		Classification procedure		
-			-		
16.5.	Rele	Relevant H statements (number and full text)			
	H:	225 302	Highly flammable Harmful if swallo	e liquid and vapor. wed.	
16.6.	Trair	ning advice:	-		
16.7.	Furth	ner information:	** "X" in the product code marks different volumes (different packaging of the product)  We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to Chemical safety assessment
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