

LEUKOGNOST MPO

The kit contains:

Reagent 1 (MPO buffer)

Reagent 2 (MPO substrate)

Reagent 3 (Hydrogen peroxide, solution)



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Trading name:	MPO BUFFER					
Product code:	PBSL-OT-X**	Date of compilation:	21 Dec 2022	Version:	2	

SECTI	ON 1 Identification of	the substa	nce/mixture :	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	MPO BU	MPO BUFFER		
	Chemical name:	-	-		
	Catalogue number:	PBSL-OT	OT-X**		
1.2.	Relevant identified us	es of the su	ubstance or mi	xture and uses advised against	
	Uses:		For use in cy	tochemical diagnostics.	
	Uses advised against:		Only the ide	ntified uses are advised.	
	Reason why uses adv against:	ised	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplie	r of the safe	ety data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Fax no.:		+385 1 2404039		
	e-mail of competent	person:	msds@biogn	<u>ost.hr</u>	
	National contact:		-		
1.4.	Emergency telephone	Emergency telephone number			
	National Protection a	nd Rescue	Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	ON 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regula	tion (EC) No 12	72/2008 (CLP)			
	Hazard class and category	code:	Hazard statements*:			
	Not identified as hazardous substance					
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-sta	tements: see S	ection 16			
2.2.	Label elements					
	Product identification:	MPO BUFFER				
	Identification number:	-				
	Authorization no.:	-				
	Hazard pictograms:	-				



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

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

SECTIO	ON 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:	-			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.			
	Self-protection of the first aider:	Treat symptomatically.			
4.2.	Most important symptoms and effects, both acute and delayed				
	FOILOWING INNAISTION.	ording to our findings, chemical, physical and toxicological properties of substance have not been entirely tested.			
	FUILDWING SKIN CONTACT.	ording to our findings, chemical, physical and toxicological properties of substance have not been entirely tested.			



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	Following eye contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.		
	Following ingestion:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.		
4.3.	Indication of any immediate medical attention and special treatment needed			
	-			

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

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



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

SECTIO	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.			
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.			
	Measures to protect the environment: Other measures:	Prevent spilling into the sewage system and waterways.			
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2.	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated 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:	-			



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SECTION 8. Exposur		nal protec	tion			
8.1. Control para	meters		T			
Substance	CAS	1		al exposure limit ort term values	Biological limit values	
			ppm	mg/m³		
-		-	-	-	No information available	
Substance name:						
EC No: -	CAS No:	_				
DNEL	<u>, </u>					
			Industrial			
Route of	Acute		Acute	Chronic	Chronic	
exposure:	effect local	effe	ect systemic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	-	-		-	-	
Dermal	-	-		-	-	
Critical physical parar	neters: solubility, t	flammabili	ty, corrosivity:	-		
			Consumer			
Route of	Acute		Acute	Chronic	Chronic	
exposure:	effect local	effe	ect systemic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	-	-		-	-	
Dermal	-	<u> </u>		-	-	
PNEC						
Environmental protec	tion target		PNEC			
Fresh water			No info	rmation available		
Freshwater sediments	5		No info	rmation available		
Marine water			No info	No information available		
Marine sediments			No info	rmation available		
Food chain			No info	rmation available		
Microorganisms in sewage treatment			No info	No information available		
Soil (agricultural)			No info	rmation available		
Air			N . C	rmation available		



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

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



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Physical state:	liquid	No information available
Colour:	colourless	No information available
Odour/odour threshold:	no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lover and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
рН:	7.15 – 7.65	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density:	No information available	No information available
Relative vapour density:	No information available	No information available
 Particle characteristics:	No information available	No information available
Other information		

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

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



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Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results		
Oral exposure:	No information available	-	LD ₅₀	_	_		
Dermal exposure:	No information available	-	LD ₅₀	-	-		
Inhalation exposure:	No information available	-	LC ₅₀	-	-		
Specific tar	get organ toxicity – s	ingle exposure	(STOT SE):				
i i	Specific	effects	Target organ		Note		
Oral exposure:	No information		No information available	_			
Dermal exposure:	No information	available	No information available	-			
Inhalation exposure:	No information	available	No information available	-			
Irritation ar	nd corrosion						
	Exposure time	Species	Evaluation	Method	Note		
Skin irritation:	-	-	-	-	-		
Eye irritation:	-	-	-	-	-		
Sensitizatio	n						
	No information avai	ilable			_		
Dermal exposure:			No information available				
Dermal exposure: Inhalation exposure:							
Inhalation exposure:	No information avai	ilable	d toxicological characterist	ics			
Inhalation exposure:	No information avai	ilable al, chemical an	d toxicological characterist	ics			
Inhalation exposure: Symptoms	No information avai	ilable al, chemical an vailable	d toxicological characterist	ics			
Inhalation exposure: Symptoms Oral exposure:	related to the physic No information a No information a	ilable al, chemical an vailable vailable	d toxicological characterist	ics			

Repeated dose toxicity (subacute, subchronic, chronic)



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	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

Specific target organ toxicity – repeated exposure (STOT RE):					
	Specific effects	Target organ	Note		
Subacute oral	No information available	No information available	-		
Subacute dermal	No information available	No information available	-		
Subacute inhalation	No information available	No information available	-		
Subchronic oral	No information available	No information available	-		
Subchronic dermal	No information available	No information available	-		
Subchronic inhalation	No information available	No information available	-		
Chronic oral	No information available	No information available	-		
Chronic dermal	No information available	No information available	-		



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Chronic	c inhalation	No informat	ion available	No information available	-
	CMR effects (d	carcinogenicity	, mutagenicity, r	eproductive toxicity)	
	Carcinogenici	ty:	Based on av	ailable data, the classification criteria	a are not met.
	Mutagenicity	in-vitro:	Based on av	ailable data, the classification criteria	a are not met.
	Genotoxicity:		Based on av	ailable data, the classification criteria	a are not met.
	Mutagenicity	in-vivo:	Based on av	ailable data, the classification criteria	a are not met.
	Germ cell mut	agenicity:	Based on av	ailable data, the classification criteria	a are not met.
	Reproductive	toxicity:	Based on av	ailable data, the classification criteria	a are not met.
11.2	Information o	n other hazard	S:		
11.2	Information o	n other hazard	S:		
11.2.1.		rupting proper			
	contain com have endocri according to Commission I 2017/2100 or	nce/mixture ponents con ne disrupting REACH Artic Delegated regi Commission 5 at levels o	properties le 57(f) or ulation (EU) Regulation		
11,2,2,	Other informa	itions:	:		
11.2.2.		10113.			

SECTION 12. Ecological information

Toxicity 12.1.

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



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

12.2. Persistence and degradability

Abiotic degradation

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

ъ.		1
RIOO	laara <i>t</i>	1ation
DIOU	i c qi at	dation

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

12.3. Bioaccumulative potential

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

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

Bioconcentration factor (BCF)



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\	√alue		Species	N	lethod		Evaluation		Note	
No info	ormation	No availa	informati ble	on No inforr available	nation		No information available	No inform	nation av	ailable
	Chronic	ecotoxici	ty							
	Value		Dose	Exposure time	Spe	cies	Method	Evalua	tion	Note
Chroni	c toxicity c	on fish	LC ₅₀	No information available	No inform availal	nation ble	No information available	No inform available	nation	-
	c toxicity c cea (<i>Daphn</i>		EC ₅₀	No information available	No inform availal	nation ble	No information available	No inform available	nation	-
12.4.	Mobility	in soil								
1 = 11	IVIODIIICy									
	-		ed distributi	ion in environr	nental co	ompart	:ments:			
	Known c			ion in environr	nental co	ompart	ments:			
	Known c	or predict		ion in environr	nental co	ompart	ments:			
	Known o	or predict mation a tension:		concentr		ompart	ments: Method			Note
	Known of No infor	or predict mation a tension: e N	vailable °C	1	ation			able	-	Note
	Known of No information of No	or predict mation a tension: e N	vailable °C o formation	Concentra No informa	ation		Method	able	_	Note
	No informat available	or predict mation a tension: e N	vailable °C o formation vailable	Concentra No informa	ation		Method	able	-	Note
Transp	No informat available	or predict mation a tension: e Notion in e av	vailable °C oformation vailable orption officient	Concentra No informa	ation	No inf	Method		thod	Note
Transp Soil-wa	No informat available Adsorption No	or predictemation attension: e Notion in a vicinity and vicinity and a vicinity	vailable °C oformation vailable orption officient	Concentra No informa available	ation ation	No inf	Method formation avail		thod	
	No informat available ort No ater No available No available No available No available No available No ater No available No	ion / descention /	vailable °C oformation vailable orption efficient constant	Concentra No informa available log Kow	on No ava	No inf	Method formation avail ration rate	Met No inform	thod	



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12 5	Deculte of DDT and v.D.D accessore
12.5.	Results of PBT and vPvB assessment
	No information available
40.6	
12.6.	Endocrine disrupting properties
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7.	Other adverse effects
12.7.	
	No information available
SECTION	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
	•
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
13.1.1.	Waste must not be disposed of into the sewage system.
	, , , , , , , , , , , , , , , , , , , ,
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-
SECTION	N 14. Transport information
	Transporting/shipment by road (ADR)



SAFETY DATA SHEET

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

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UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	ID)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (II	MDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-



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Further information:	-

15.1.	Safety, health and environ	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or rest	rrictions 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; REACH Restrictions on the manufacturing, placing on the market and use of certain
		dangerous substances, mixtures and articles (Annex XVII);
	Information according 19 guideline)	999/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessme	ent
	None	

SECTION 16. Other information	
16.1. Indication of changes:	-



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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 (numb	er and full text)		
	H: -	-		
16.6.	Training advice:	-		
16.7.	** "X" in the product code marks different volumes (different the product) We are not responsible for consequences in case of failure to instructions for use or improper use of the product described material safety data sheet.			

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	ы	N	_	v	_
Δ	N	N	_	×	-

Exposure scenario resulting to Chemical safety assessment

-



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Trading name:		MPO SUBSTR	ATE		
Product code:	4K1N-OT-X**	Date of compilation:	21 Dec 2022	Version:	3

SECTI	ON 1: Identification of	the substance	e/mixture	and of the company/undertaking
1.1	Product identifier			
	Trading name:	MPO SUBS	TRATE	
	Chemical name:	-		
	Catalogue number:	4K1N-OT-X	* *	
1.2	Relevant identified us	es of the subs	tance or n	nixture and uses advised against
	Uses:		For use	in cytochemical diagnostics.
	Uses advised against:		Only the	e identified uses are advised.
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.	
1.3	Details of the supplier	of the safety	data shee	t
	Supplier:		BioGnost Ltd.	
	Address:		Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039	
	Telephone number:			
	Telefax.:			
	e-mail of competent p	person:	msds@biognost.hr	
	National contact:	National contact: -		
1.4	Emergency telephone	number		
	National Protection a	nd Rescue Dire	ectorate:	112
	Medical information:			+385 1 2348 342
	Other information:			-

SECTIO	SECTION 2. Hazards identification			
2.1	Classification of the substance or mixture			
2.1.1	Classification according to Regulation (EC) No 1	272/2008 (CLP)		
	Hazard class and category code:	Hazard statements*:		
	Flam. Liq. 2 H225			
	Acute Tox. 4 (Oral) H302			
	Acute Tox. 4 (Dermal)	H312		
	Acute Tox. 4 (Inhalation)	Acute Tox. 4 (Inhalation) H332		
	STOT SE 1	H370		
	Aquatic Chronic 3 H412			
2.1.2.	Additional information			
	-			
*For fu	Il text of Hazard- and EU Hazard-statements: see s	SECTION 16		



SAFETY DATA SHEET

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

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Trading name:		MPO SUBSTRA	ATE		
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2.2	Label elements	
	Product identification:	MPO SUBSTRATE
	Identification number:	-
	Authorization number:	-
	Hazard pictograms:	GHS02 GHS07
	Signal word:	Danger
	Hazard statements:	 H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H370 Causes damage to organs. H412 Harmful to aquatic life with long lasting effects.
	Precautionary statements:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P403+P233 Store in a well-ventilated place. Keep container tightly closed.
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Endocrine Disrupting Prope	
	No known endocrine disrupt Results of PBT and vPvB as	sessment: According to the results of its assessment, this substance is not a
	PBT or a vPvB.	



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Trading name:		MPO SUBSTRA	ATE		
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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)	
9002-92-0/ 500-002-6/ -	-	<3%	Dodecan-1-ol, ethoxylated	Acute Tox. 4; H302 Eye Irr. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	
111-46-6/ 203-872-2/ 603-140-00-6	01-2119457857-21- XXXX	>50%	diethylene glycol	Acute Tox. 4; H302	
67-56-1/ 200-659-6/ 603-001-00-X		>10% - <20%	methanol	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT SE 1; H370	

SECTI	ON 4. First aid measures	
4.1	Description of first aid measures	
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.
	Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider:	-
4.2	Most important symptoms and eff	fects, 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.



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	Following ingestion:	Danger of gastric perforation.
4.3	Indication of any immediate media	cal attention and special treatment needed
	-	

SECTI	ECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	water spray, dry powder, CO2 or alcohol resistant foam			
	Unsuitable extinguishing media:	No information available			
5.2	Special hazards arising from the su	ubstance or mixture			
	Hazardous combustion products:	No information available			
5.3	Advice for firefighters				
	Use a self-contained open-circuit o	compressed air breathing apparatus and fireproof clothing.			
5.4	Additional information	Additional information			
	Remove sources of heat and igniti	on. Do not contaminate the environment with extinguishing media.			

SECTIO	ON 6. Accidental release meas	ures		
6.1	Personal precautions, protective	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. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Use protective equipment; in a (see Section 8).	case of inadequate ventilation use adequate airways protective equipment		
6.2	Environmental precautions:			
	Do not dispose of in sewage, or Protection and Rescue Directo	drainage system and waterways. In case of large spillage contact National rate (NPRD) on 112.		
6.3	Methods and material for con-	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and involved materials with water.		



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6.3.3.	Other information:	Do not use incompatible materials (see Section 10).			
6.4	Reference to other sections				
	See Section 7 for information on safe handling.				
	See Section 8 for information	See Section 8 for information on personal protection equipment.			
	See Section 13 for disposal information.				

SECTI	ON 7. Handling and storage					
7.1	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat.			
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.			
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.			
	Other measures:		-			
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. Th	oroughly was	sh hands after work and before eating.			
7.2	Conditions for safe storage, including any incon	npatibilities				
	Technical measures and storage conditions:		ghtly closed and upright set containers at ures ranging from +2 to +8 °C.			
	Packaging materials:	Manufactu containers	o away from food and drink. Keep the containers			
	Requirements for storage rooms and vessels:	Keep away				
	Advices for storage equipment:	The storage must be made of hard material; floo must be resistant to chemicals. There must be not that directly leads into sewage system. Secure proventilation.				
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).				
7.3	Specific end use(s)					
_	Recommendations:	-				
	Industrial sector specific solutions:	-				

SECTION 8. Exposure controls/personal protection		
8.1	Control parameters	



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	·		:						1	•
					upational	•				
Substanc	Substance		S No		lues/short			Biolo	gical limit values	
					ppm	mg	/m³			
-	-		-		-		-	No inte	ormation availabl	<u>e</u>
Substance name:	-									
EC No:	_	CAS No	: -							
DNEL		1 0 10 110	<u> </u>							
				Inc	dustrial					
Route of	Acı	ute	Ad	cute		Chro	nic		Chronic	
exposure:	effect	local	effect s	systemic	c	effect	local		effect systemic	
Oral	-		-		-			-		
Inhalation	-		1		-			-		
Dermal	-		1		-			-		
Critical physical pa	arameters:	solubility,	flammab	ility, cor	rosivity:	-				
				Co	nsumer					
Route of	Ac	ute	Ad	cute		Chro			Chronic	
exposure:	effect	local	l effect system		С	effect	local		effect systemic	
Oral	-		-		-		-			
Inhalation	-		-		-		-			
Dermal			-		-			-		
PNEC										
Environmental pro	otection tar	get			PNEC					
Fresh water					no information available					
Freshwater sedim	ents				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 (agricultural)					no information available					
Air					no inform	nation a	vailable			
8.2 Expos	sure contro	ls								
8.2.1. Appr	opriate eng	ineering o	controls							



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	Substance/mixture related measure prevent exposure during identifie		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.	
	Structural measures to prevent exposure:		In accordance with Section 7.	
	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.	
	Technical measures to prevent ex	posure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.	
8.2.2.	Personal protection equipment			
8.2.2.1.	Eye and face protection:	levels o	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:	Protect	tive nitrile gloves, >0.11 mm thick (EN 374).	
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) ang sleeves (EN 340) and shoes that cover the entire foot.	
8.2.2.3.	Respiratory protection:		quired under normal conditions of use. Use suitable tory protective device when high concentrations are t.	
8.2.2.4.	Thermal hazards:	No info	ormation available	
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	

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



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	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	-		•

SECTIO	ON 10. Stability and reactivity	
10.1	Reactivity:	See subsections 10.3 through 10.5.
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).
10.3	Possibility of hazardous reactions:	No dangerous reactions known.
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. To	SECTION 11. Toxicological information										
11.1 Information on toxicological effects											
Acute t	oxicity:										
Route of exposure:	Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results						
Oral:	-	No information available	-	No information available	-						
Dermal:	-	No information available	-	No information available	-						



Trading name:

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

MPO SUBSTRATE

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Product code:	4K1N-OT-X**	Da	ate of compi	lation:	21 Dec 2022	Versic	on: 3
Inhalation:	-	No information available		-	No informatio available	n	_
Specific	target organ toxi	city – sinale exp	osure (STOT S	F):			
эрсеше		ecific effects		Target o	organ	N ₁	ote
Oral:	No information		No information available			-	
Dermal: No information available			No i	_			
Inhalation: No information available			No i	nformation a	available	_	
	i		i		i		
Aspiration	on hazard:	V	lo informatior	n available.			
Irritation	and corrosion						
	Expos	ure time	Species	Evaluati	on Method	١	Note
Skin	<u> </u>	_		_	-	_	
corrosion/irritatio	on:						
Serious eye damage/irritatior	-	-		_	-	-	
	-						
Sensitiza	ntion						
Skin sensitization	: -						
Respiratory sensi	tization: -						
Symptor	ms related to the	physical, chemic	al and toxicol	ogical chara	octeristics		
Oral exposure:	No inform	ation available.					
Dermal exposure	: No inform	ation available.					
Inhalation exposu	ure: No inform	ation available.					
Eye exposure:	No inform	ation available.					
Repeate	d dose toxicity (s		onic, chronic)				
	Dose	Exposure time	Species	Method	d Evalua	tion No	ote
Subacute oral	No informatio available	No information available	No information available	No informa availab			
Subacute dermal	No informatio available	No information available	No information available	No informa availab			



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- ··					
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Subacute inhalation	No i availa	nformation ble	No information available	No information available	No information available	No information available	on -
Subchronic oral	No i availa	nformation ble	No information available	No information available	No information available	No information available	on -
Subchronic dermal	No i availa	nformation ble	No information available	No information available	No information available	No information available	on -
Subchronic inhalation	No i availa	nformation ble	No information available	No information available	No information available	No information available	on -
Chronic oral	No i availa	nformation ble	No information available	No information available	No information available	No informatio available	on -
Chronic dermal	No i availa	nformation ble	No information available	No information available	No information available	No informatio available	on -
Chronic inhalation	No i availa	nformation ble	No information available	No information available	No information available	No informatio available	on -
Specific	target	organ toxicit	y – repeated e	xposure (STOT	RE):		
· ·		_	Specific effec	ts	Target o	rgan	Note
Subacute oral		No informa	tion available		No information	n available	-
Subacute derma	l	No informa	tion available		No informatior	n available	-
Subacute inhalat	ion	No informa	tion available		No information	n available	-
				vailable No inform			
Subchronic oral		No informa	tion available		No information	n available	-
	nal		tion available		No information		-
Subchronic derm		No informa				n available	
Subchronic derm Subchronic inhal		No informa	tion available		No information	n available n available	-
Subchronic derm Subchronic inhal Chronic oral		No informa No informa	tion available tion available		No information	n available n available n available	-
Subchronic derm Subchronic inhal Chronic oral Chronic dermal	ation	No informa No informa No informa No informa	tion available tion available tion available		No information No information	n available n available n available n available	-
Subchronic derm Subchronic inhal Chronic oral Chronic dermal Chronic inhalatic	ation	No informa No informa No informa No informa	tion available tion available tion available tion available tion available	/; reproductive	No information No information No information No information No information	n available n available n available n available	
Subchronic oral Subchronic derm Subchronic inhal Chronic oral Chronic dermal Chronic inhalatic CMR eff Carcino	on fects (ca	No informa No informa No informa No informa No informa	tion available tion available tion available tion available tion available		No information No information No information No information No information toxicity) udies on test anii	n available n available n available n available n available	
Subchronic derm Subchronic inhal Chronic oral Chronic dermal Chronic inhalatic	en fects (ca	No informa No informa No informa No informa No informa arcinogenicity	tion available tion available tion available tion available tion available	Current stu	No information No information No information No information No information toxicity) udies on test animic effects.	n available n available n available n available n available mals did not	



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Trading name:		MPO SUBSTR	ATE		
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	Mutagenicity <i>in vivo</i> :	Current in vivo tests did not indicate mutagenic effects.
	Germ cell mutagenicity:	No information available.
	Reproductive toxicity:	No toxicity on reproductive organs was determined in reproductive organs.
	Summary of evaluation of the CMR properties:	No information available.
11.2.	Information on other hazards:	
11.2.1.	Endocrine disrupting properties:	
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.	
11.2.2.	Other informations:	
	-	

SECTION 12. Ecologic	cal informat	ion				
12.1. Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	No information available	-
Other organisms	-	72 hours	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-



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Product code	2: 4	4K1N-OT-X* ²	•	Date	of compila	tion:	21 De	c 2022	Version:	3
Crustacea:		EC ₅₀	48 hours		information lable	No infor availa	mation able	No information available	-	
Algae/aquatic plants Other organisms		its IC ₅₀ 72 hours			information lable	No infor availa	No mation information - able available		-	
		-	-	-				-	-	
100 6 .	_									
		and degrada	bility							
Abiot		adation	- I£ 1:	N /	1 - 4 ll		F l i	_	NI-t-	
Marine water		egradation h			lethod ormation le		Evaluation formationable		Note	
Fresh water	No i	information a	available	No info	ormation le	No ir availa	nformation able	n -		
Air	No i	information a	available	No info	ormation le	No information available		n -	-	
Soil	No i	information a	available	No info	ormation le	No information - available		า -		
Biode	gradat	ion								
% Degradati	ion	Time (days)	M	lethod		Evaluatio	n	Note	
No information available	n	No ir available	formation	No info	ormation le	No ir availa	nformation able	1 -		
12.3. Bioac	cumula	ative potentia	n							
		er partition o		og Kow)						
Value	Conc	entration	рН	°C	Method		Evalu	ation	Note	
_	No info availab	ormation le	-		No information		No inform available	nation -		
Bioco	ncentra	ation factor (BCF)							
Value		Speci	es	N	/lethod		Evaluati	on	Note	



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No informa available	ation	No infor available		No inform available	ation	No info		on	No inf availab	ormation ole
Ck	hronic eco	atovicity.								
	Value	Dose	Expos		Species	Meth	nod	Evalı	uation	Note
Chronic tox	xicity on f	ish LC ₅₀	No informa availabl	1	o formation vailable	No informa availab		No inform availab		-
Chronic tox crustacea (-	EC ₅₀	No informa availabl		o formation vailable	No informa availab		No inform availat		-
12.4 NA	lobility in	soil								
	•			_						
Kr	nown or p	oredicted distribu	tion in env	vironment	tal compart	ments:				
Kr No	nown or p	ition available	tion in env	vironment	tal compart	ments:				
Kr No	nown or points	ition available								Note
Kr No Su No int	nown or point of information of the information of	sion: °C No	Con	centration	n	Metho		-		Note
No Su No int av	nown or point of information of the contraction of	sion: °C No information	Con No in availa	ocentration oformation oble	n No inf availal	Metho formation ole	1			
No Su No initiav	o informaturface tento Value o formation vailable dsorption A, He	ntion available sion: °C No information available / desorption /D coefficient nry's constant information	Con- No in- availa log No info	formation formation white Kow	n No inf availab Evaporati	Metho formation ole on rate	No ir	Method		Note
No Su No int av	o informa urface ten Value o formatior vailable dsorption A, He	ntion available sion: C No information available / desorption /D coefficient nry's constant information ole information	log No info	centration formation able Kow ormation le	n No inf availal	Metho formation on rate	No ir	Method nformati able	ion -	



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12.6.	Endocrine disrupting properties				
	The substance/mixture does not contain components considered to have endocrine disrupting properti according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.				
12.7.	Other adverse effects				
	No information available				
SECTIO	ON 13. Disposal considerations				
13.1	Waste treatment methods				
13.1.1.	Product/Packaging disposal:				
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.				
13.1.2.	Waste codes/waste designations according to Law:				
	No information available				
13.1.3.	Waste treatment – relevant information:				
	No information available				
13.1.4.	Sewage disposal – relevant information:				
	Waste must not be disposed of into the sewage system.				
13.1.5.	Other disposal recommendations:				
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.				
13.1.6.	Relevant Community provisions:				
SECTIO	ON 14. Transport information				
	Transporting/shipment by road (ADR)				
UN nur	mber: 1992				
1 1 1 1	oper shipping name: Flammable liquid, toxic, n.o.s. (methanol solution)				



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-	Trading name:		MPO SUBSTR	ATE		
	Product code:	4K1N-OT-X**	Date of compilation:	21 Dec 2022	Version:	3

Transport hazard class(es):	3 (6.1)		
Packing group:	Ш		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by rail (R	ID)		
UN number:	1992		
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)		
Transport hazard class(es):	3 (6.1)		
Packing group:	III		
Environmentally hazardous:	-		
Special precautions for user:	-		
Inland waterway transport (ADN)			
UN number:	1992		
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)		
Transport hazard class(es):	3 (6.1)		
Packing group:	III		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by sea (II	MDG)		
UN number:	1992		
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)		
Transport hazard class(es):	3 (6.1)		
Packing group:	III		
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:	1992		
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)		
Transport hazard class(es):	3 (6.1)		
Packing group:	Ш		
Environmentally hazardous:	-		
	-		



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Trading name:		MPO SUBSTR	MPO SUBSTRATE		
Product code:	4K1N-OT-X**	Date of compilation:	21 Dec 2022	Version:	3

15.1	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture				
	EU regulations					
	Authorization and/or rest	rictions of use				
	Authorizations:	-				
	Restrictions:	-				
	Regulation (EC) No 1907/2006 of the European Parliament and of the 18 December 2006 concerning the Registration, Evaluation, Authorized Restriction of Chemicals (REACH), establishing a European Chemiamending Directive 1999/45/EC and repealing Council Regulation (El and Commission Regulation (EC) No 1488/94 as well as Council Directive and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000 Directive 2004/42/CE of the European Parliament and of the Council of on the limitation of emissions of volatile organic compounds due to the solvents in certain paints and varnishes and vehicle refinishing amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the heap of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the December 2008 on classification, labelling and packaging of substances amending and repealing Directives 67/548/EEC and 1999/45/EC, a Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and					
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)					
	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

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

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Trading name:	MPO SUBSTRATE					
Product code:	4K1N-OT-X**	Date of compilation:	21 Dec 2022	Version:	3	

16.2 Abbreviations and acronym		previations 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.	-	literature references and rce of data:	-		
16.4.		ssification and procedure 2/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classifi	catior	١	Classification procedure		
_			-		
16.5.	Rele	evant H statements (numl	per and full text)		
	H:	225 301 302 311 312 319 331 332 370 400 410 412	Highly flammable liquid and vapour. Toxic if swallowed. Harmful if swallowed. Toxic in contact with skin. Harmful in contact with skin. Causes serious eye irritation. Toxic if inhaled. Harmful if inhaled. Causes damage to organs. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.		
16.6.	Trai	ning advice:	-		
16.7.	16.7. Further information:		** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to chemical safety assessment

-



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Trading name:		HYDROGEN PEROXIDE, SOLUTION			
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

SECTION	ON 1. Identification of	the substa	ance/mixture a	and of the company/undertaking		
1.1.	Product identifier					
	Trading name:	HYDRO	GEN PEROXIDE, SOLUTION			
	Chemical name:	-				
	Catalogue number:	VPO-OT	-X**			
1.2.	Relevant identified us	es of the s	ubstance or mix	xture and uses advised against		
	Uses:		For use in cy	tochemical diagnostics.		
	Uses advised against:		Only the ider	ntified uses are advised.		
	Reason why uses advi	sed	device, regist	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	r of the saf	ety data sheet			
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Fax no.:		+385 1 2404039			
	e-mail of competent	oerson:	msds@biognost.hr			
	National contact:		-			
1.4.	Emergency telephone	Emergency telephone number				
	National Protection a	nd Rescue	Directorate:	112		
	Medical information:	Medical information:		+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture						
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)						
	Hazard class and categor	Hazard class and category code: Hazard statements*:					
	Not identified as hazardous substance						
2.1.2.	Additional information						
	-						
*For fu	Ill text of Hazard- and EU Hazard-st	atements: see Section	on 16				
2.2.	Label elements						
	Product identification:	HYDROGEN PERC	OXIDE, SOLUTION				
	Identification number: -						
	Authorization no.:						
	Hazard pictograms:	-					



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Trading name:	HYDROGEN PEROXIDE, SOLUTION			
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

	Signal word:	-	
	Hazard statements:	-	
	Precautionary statements:	-	
	Further information:	-	
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)		
7722-84-1/ 231-765-0/ 008-003-00-9	-	<1%	hydrogen peroxide solution	Ox. Liq. 1; H271 Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Corr. 1A; H314		

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.		
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.		
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.		
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.		
	Self-protection of the first aider:	Treat symptomatically.		
4.2.	Most important symptoms and effects, both acute and delayed			
	FOILOWING INNAISTION.	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.		



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Trading name:	HYDROGEN PEROXIDE, SOLUTION				
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

	Following skin contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
	Following eye contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
	Following ingestion:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
4.3.	Indication of any immediat	te medical attention and special treatment needed
	-	

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

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods:	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 containme	nt and cleaning up			



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Trading name:	HYDROGEN PEROXIDE, SOLUTION				
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.
6.3.3.	Other information:	-
6.4.	Reference to other sections	
	-	

SECTIO	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.			
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.			
	Measures to protect the environment: Other measures:	Prevent spilling into the sewage system and waterways.			
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.	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)				



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Trading name:		HYDROGEN PEROXII	DE, SOLUTION		
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

Recommendations:	-
Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection								
8.1. Control para	meters		-					
Substance CA		CAS No	o		cupational exposure limit alues/short term values			Biological limit values
				1	ppm	mg/m³		
-		1			-	-		No information available
Substance - name:								
EC No: -		CAS No:	-					
DNEL								
				Ind	lustrial			
Route of	A	Acute		Acute	e	Chronic		Chronic
exposure:	effe	ect local	effe	ct sys	temic	effect loc	cal	effect systemic
Oral	-		-			-		-
Inhalation	-		-		-			-
Dermal	-		-			-		-
Critical physical para	meters: s	olubility, flan	nmabilit	y, cor	rosivity:	-		
	1			Coı	nsumer			
Route of		Acute		Acute		Chronic		Chronic
exposure:	effe	ect local	effe	ct sys	temic	effect loc	cal	effect systemic
Oral	-		-			-		-
Inhalation	-		-			-		-
Dermal	-		-			-		-
PNEC					T			
Environmental protect	ction tar	get			PNEC			
Fresh water				No information available				
Freshwater sediments				No information available				
Marine water					No infor	mation availa	able	
Marine sediments					No information available			
Food chain					No information available			
Microorganisms in sewage treatment				No information available				
Soil (agricultural)					No information available			



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Trading name:	HYDROGEN PEROXIDE, SOLUTION				
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

Air			No information available				
8.2.	Exposure controls						
8.2.1.	Engineering measures	Engineering measures					
	Substance/mixture related measures to prevent exposure during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structural measures to preserve:	revent	No information available				
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal protection equipment						
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.				
8.2.2.2.							
			ective gloves must be according to the EU Directive 2016/425/EEC and dard EN 374.				
	Hand protection:		Glove material: nitrile rubber				
			Glove thickness: ≥0.50 mm Break through time: >480 min				
	Other skin protection:		r antistatic clothing made of natural fibers (such as cotton) with long 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 prevent exposure:		See Section 6				

SECTION 9. Physical and chemical properties



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Trading name:	HYDROGEN PEROXIDE, SOLUTION				
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

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

SECTIO	SECTION 10. Stability and reactivity				
10.1.	Reactivity:	See subsections 10.3 through 10.5.			
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.			
10.3.	Possibility of hazardous reactions:	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				
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008			



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Trading name:	HYDROGEN PEROXIDE, SOLUTION					
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2	

Acute toxi	city:					
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results	
Oral exposure:	No information available	-	LD ₅₀	_	-	
Dermal exposure:	No information available	-	LD ₅₀	-	-	
Inhalation exposure:	No information available	-	LC ₅₀	_	-	
Specific ta	rget organ toxicity – si	ingle exposure	(STOT SE):			
<u> </u>	Specific		Target organ		Note	
Oral exposure:	No information		No information available	_		
Dermal exposure:	No information	available	No information available	-		
			No information	-		
Inhalation exposure	e: No information	available	available	-		
·	e: No information y irritation:			-		
Respirator			available	-		
Respirator	y irritation:		available	- Method	Note	
Respirator	y irritation: and corrosion	No inf	available ormation available		Note -	
Respirator Irritation a	y irritation: Ind corrosion Exposure time	No inf	available ormation available Evaluation			
Respirator Irritation a Skin irritation:	y irritation: Ind corrosion Exposure time -	No inf Species	available ormation available Evaluation -	Method -	-	
Respirator Irritation a Skin irritation: Eye irritation:	y irritation: Ind corrosion Exposure time -	Species	available ormation available Evaluation -	Method -	-	
Respirator Irritation a Skin irritation: Eye irritation: Sensitization	y irritation: Ind corrosion Exposure time	Species	available ormation available Evaluation -	Method -	-	
Respirator Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	y irritation: Ind corrosion Exposure time On No information avail	Species lable	available ormation available Evaluation -	Method -	-	
Respirator Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms	y irritation: Ind corrosion Exposure time On No information avail	Species lable lable	available ormation available Evaluation	Method -	-	
Respirator Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	y irritation: Ind corrosion Exposure time On No information avail No information avail	Species lable lable al, chemical an	available ormation available Evaluation	Method -	-	
Respirator Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	y irritation: Ind corrosion Exposure time on No information avail So related to the physical No information avail No information avail	Species lable lable al, chemical an vailable vailable	available ormation available Evaluation	Method -	-	



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Trading name:	HYDROGEN PEROXIDE, SOLUTION					
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version: 2		

	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

Specific effects Target organ Note					
	Specific епестя	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	-		



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Trading name:	HYDROGEN PEROXIDE, SOLUTION					
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2	

Chronic	inhalation	No information	on available	No information available	-
	CMR effects ((carcinogenicity,	mutagenicity, r	eproductive toxicity)	
	Carcinogenic		-	railable data, the classification criteria	are not met.
	Mutagenicity	in-vitro:	Based on av	railable data, the classification criteria	are not met.
	Genotoxicity:		Based on av	railable data, the classification criteria	are not met.
	Mutagenicity	in-vivo:	Based on av	railable data, the classification criteria	are not met.
	Germ cell mu	tagenicity:	Based on av	railable data, the classification criteria	are not met.
	Reproductive	toxicity:	Based on av	railable data, the classification criteria	are not met.
11.2	Information of	on other hazards	:		
11.2.1.		srupting properti			
	The substacontain conhave endocraccording to Commission 2017/2100 o		dered to properties e 57(f) or ation (EU)		
11.2.2.	Other inform	ations:	;		

SECTION 12. Ecological information

12.1. Toxicity

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



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Trading name:		HYDROGEN PEROXIC	E, SOLUTION		
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

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

12.2. Persistence and degradability

Abiotic degradation

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

ъ.		1
RIOO	laara <i>t</i>	1ation
DIOU	i c qi at	dation

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

12.3. Bioaccumulative potential

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

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

Bioconcentration factor (BCF)



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Trading name:		HYDROGEN PEROXIC	E, SOLUTION		
Product code:	VPO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

'	Value		Species	M	ethod	Evaluation		Note	
No infavailab	ormation ble	No ava	informati ilable	on No information available		No information available	No inform	o information available	
	Chronic	ecotox	cicity						
	Value		Dose	Exposure time	Species	Method	Evaluat	tion	Note
Chroni	ic toxicity	on fish	LC ₅₀	No information available	No information available	No information available	No inform available	ation	-
	ic toxicity cea (<i>Daph</i>		EC ₅₀	No information available	No information available	No information available	No inform available	ation	_
	WIODIII.	y in soil							1
	Known	or pred		on in environm	nental compar	tments:			
	Known	or pred	licted distributi n available	on in environm	ental compar	tments:			
	Known No info	or pred ormation tension	licted distributi n available	on in environm		tments:			Note
12.4.	Known No info Surface	or pred ormation tension ue	licted distributi n available n:		tion		able	-	Note
	Known No info Surface Valu No informa availabl	or pred prmation tension ue ation le	licted distribution available n: °C No information	Concentra No informa	tion	Method	able		Note
	Known No info Surface Valu No informa availabl	or predormation tension le	licted distribution available "C No information available	Concentra No informa	tion No in	Method	able	-	Note
Transp	Known No info Surface Valu No informa availabl Adsorp	or predormation tension le	icted distribution available No Information available esorption oefficient	Concentra No informa available	tion No in	Method formation avail		- hod	
Transp Soil-wa	Known No info Surface Valu No informa availabl Adsorp	or pred prmation tension le tion / d A/D c Henry'	licted distribution available of the constant	Concentra No informa available log Kow No information	tion No in: Evapo No inform available	Method formation avail pration rate	Met No inform	hod	Note



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Results of PBT and vPvB assessment
No information available
Endocrine disrupting properties
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects
No information available
N 13. Disposal considerations
Waste treatment methods
Product/Packaging disposal:
Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
Waste codes/waste designations according to Law:
No information available
Waste treatment – relevant information:
No information available
Sewage disposal – relevant information:
Waste must not be disposed of into the sewage system.
waste must not be disposed of into the sewage system.
Other disposal recommendations:
Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
Relevant Community provisions:
-
N 14. Transport information
Transporting/shipment by road (ADR)



SAFETY DATA SHEET

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

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UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	ND)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (I	MDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by air (IC	CAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-



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1 =	
l Further information:	

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations				
	Authorization and/or restrictions of use				
	Authorizations:	-			
	Restrictions:	-			
	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 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)				
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act			
15.2.	Chemical safety assessme	ent			
	None				

SECTION 16. Other information				
16.1. Indication of changes:				



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16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:	-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	cation	Classification procedure			
-					
16.5.	Relevant H statements (number and full text)				
	271	May cause fire or explosion; strong oxidiser.			
	H: 302	Harmful if swallowed.			
	314	Causes severe skin burns and eye damage.			
	332	Harmful if inhaled.			
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.			

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Exposure scenario resulting to Chemical safety assessment

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