

LEUKOGNOST ALP

The kit contains:

Reagent 1 (Sodium nitrite, solution)

Reagent 2 (Variamin Blue B, solution)

Reagent 3 (ALP buffer)

Reagent 4 (ALP substrate)



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Trading name:	SODIUM NITRITE, SOLUTION				
Product code:	NAN-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

1.1.	Product identifier				
	Trading name:	SODIUN	и NITRITE, SOLU	ITION	
	Chemical name:	-			
	Catalogue number:	NAN-O	T-X**		
1.2.	Relevant identified uses of the substance or mixture and uses advised against			ture and uses advised against	
	Uses:		For use in cyt	ochemical diagnostics.	
	Uses advised against:		Only the iden	tified uses are advised.	
	Reason why uses advi	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes	
1.3.	Details of the supplie	r of the saf	ety data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska !	59, Zagreb	
	Telephone number:		+385 1 2409997		
	Telephone number:		+385 1 240999	97	
	Telephone number: Fax no.:		+385 1 240999 +385 1 240403		
	•	oerson:		39	
	Fax no.:	person:	+385 1 240403	39	
1.4.	Fax no.: e-mail of competent		+385 1 240403 msds@biogno	39	
1.4.	Fax no.: e-mail of competent National contact:	number	+385 1 240400 msds@biogno	39	
1.4.	Fax no.: e-mail of competent National contact: Emergency telephone	number	+385 1 240400 msds@biogno	ost.hr	

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regula	ation (EC) No 1272	2/2008 (CLP)			
	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 Sec	tion 16			
2.2.	Label elements					
	Product identification:	SODIUM NITRIT	TE, SOLUTION			
	Identification number:	-				
	Authorization no.:	_				
	Hazard pictograms:	-				



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	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)		
7632-00-0/ 231-555-9/ 007-010-00-4	01-2119471836- 27	<5%	sodium nitrite	Ox. Sol. 3; H272 Acute Tox. 3; H301 Eyelrrit.2A; H319 Aquatic Acute 1; H400		

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.			
	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			
	EUIIUMING INNSISTION.	ccording to our findings, chemical, physical and toxicological properties of ne substance have not been entirely tested.			



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	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 immediate	e medical attention and special treatment needed
	-	

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

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. 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 containr	ment and cleaning up			



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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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Recommendations:	-
Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection								
8.1. Control	parameters		_					
Substance CAS N		١o		•	exposure limit t term values	Biological limit values		
				þ	ppm	mg/m³		
-		-			-	-	No information available	
Substance name:								
EC No: -		CAS No:	-					
DNEL								
				Ind	lustrial			
Route of	A	Acute		Acute	9	Chronic	Chronic	
exposure:	effe	ect local	effe	ct syst	temic	effect local	effect systemic	
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			_	-	
Critical physical p	arameters: s	solubility, fla	mmabilit	y, corr	rosivity:	-		
				Cor	sumer		I	
Route of		Acute		Acute		Chronic	Chronic	
exposure:	effe	ect local	effe	effect systemic		effect local	effect systemic	
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			-	-	
PNEC								
Environmental pro	otection tar	get			PNEC			
Fresh water					No information available			
Freshwater sediments						mation available		
Marine water					No information available			
	Marine sediments					mation available		
Food chain					No information available			
Microorganisms i		eatment				mation available		
Soil (agricultural)					No information available			



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Air			No information available			
8.2.	Exposure controls					
8.2.1.	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 prexposure:	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 equip	oment				
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (E visor.				
8.2.2.2.	Skin protection					
U.L.L.	Hand protection:		tective gloves must be according to the EU Directive 2016/425/EEC and and 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 fo	ctive full face mask (EN 136) or half mask (EN 140) equipped with a cor organic vapors, type "A" (boiling point >65°C) acording to EN) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	ormation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relate measures to prevent expe		See Section 6			
	Structural measures to prexposure:	event	Use modern equipment.			
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to pr exposure:	event	See Section 6			

SECTION 9. Physical and chemical properties



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	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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Acute toxi	city:			1	
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	e Results
Oral exposure:	No information available	-	LD ₅₀	_	_
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	_	_
Specific ta	rget organ toxicity – s	ingle exposure	(STOT SE):		
•	Specific		Target organ		Note
Oral exposure:	No information		No information available	–	
Dermal exposure:	No information	available	No information available	-	
nhalation exposure: No information available			No information		
Inhalation exposure	e: No information	available	available	-	
Inhalation exposure	e: No information	available		-	
·	y irritation:			-	
·			available	-	
Respirator			available	-	
Respirator	y irritation:		available	Method	Note
Respirator	y irritation: and corrosion	No inf	available ormation available		Note -
Respirator Irritation a	y irritation: and corrosion	No info	available ormation available Evaluation		
Respirator Irritation a Skin irritation:	y irritation: Ind corrosion Exposure time	No info	available ormation available Evaluation -	Method -	-
Respirator Irritation a Skin irritation:	y irritation: Ind corrosion Exposure time -	No info	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:	y irritation: Ind corrosion Exposure time	Species 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 avai No information avai	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 avai No information avai	Species lable lable	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 avai No information avai	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 avai No information avai Ro information avai No information a	Species	available ormation available Evaluation	Method - -	-



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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	inhalation	No informat	tion available	No information available	-
	CMR effects (c	carcinogenicity	. mutagenicity	, reproductive toxicity)	
	Carcinogenicit			available data, the classification criteria	are not met.
	Mutagenicity i	in-vitro:	Based on	available data, the classification criteria	are not met.
	Genotoxicity:		Based on	available data, the classification criteria	are not met.
	Mutagenicity i			available data, the classification criteria	
	Germ cell mut			available data, the classification criteria	
	Reproductive :	toxicity:	Based on	available data, the classification criteria	are not met.
11.2	Summary of e			ties: -	
11.2.1.	Endocrine disr				
		nce/mixture ponents con ne disrupting REACH Artic Delegated regi	does not sidered to properties le 57(f) or ulation (EU) Regulation		
11.2.2.	Other informa	tions:	:		
	-				

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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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	-

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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	V	lethod		Evaluation		Note	
	No information No informati available available		on No information available		No information available	No information available		ailable		
	Chronic	ecotoxic	ity							
	Value		Dose	Exposure time	Spec	cies	Method	Evalua	tion	Note
Chroni	c toxicity o	on fish	LC ₅₀	No information available	No inform availab		No information available	No inform available	No information available	
	c toxicity o		EC ₅₀	No information available	No inform availab		No information available	No inform available	nation	-
12.4.	Mobility	, in soil								
			ted distributi	on in environn	nental co	mpart	ments:			
	Known			on in environn	nental co	mpart	ments:			
	Known	or predic		on in environn	nental co	ompart	ments:			
	Known o	or prediction at tension:		on in environn		ompart	ments:			Note
	Known of No infor	or prediction attension: e N tion in	available °C		ation			able	-	Note
	Known of No information of No	or prediction attension: e N tion in	°C lo nformation	Concentra No informa	ation		Method	able	-	Note
	No infor Surface Valu No informat available	or prediction attension: e N tion in	°C lo nformation vailable	Concentra No informa	ation		Method	able	-	Note
Transp	No information available	or prediction attension: e Note: The production of the productio	°C lo nformation vailable corption	Concentra No informa	ation	No inf	Method		thod	Note
	No information available ort	or prediction attension: e tion in attension in attension / des A/D coe Henry's o	°C lo nformation vailable corption	Concentra No informa available	ation ation on No	No inf	Method formation avail		thod	
Transp	Known of No information available ort No ater No available No available No available No available No available No ater No available No	ion / des A/D coe Henry's o	°C lo nformation vailable corption efficient constant	Concentra No informa available log Kow No informati	on No avai	No inf	Method formation avail ration rate	Met No inform	thod	



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12.5. Results of	PBT and vPvB assessm	ent			

12.5.	Results of PBT and vPvB assessment
12.3.	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.
12.6.	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
	No information available
	TVO INTOTITUDON AVAILABLE
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.	Waste deather 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:



SAFETY DATA SHEET

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

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SECTION 14. Transport information	
Transporting/shipment by road	(ADR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	IID)
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:	-



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Special precautions for user:		-
Further information:	_	

15.1.	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture			
	EU regulations				
	Authorization and/or rest	rictions of use			
	Authorizations:	-			
	Restrictions:	-			
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);			
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act			
15.2.	Chemical safety assessme	ent			
	None				

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



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Trading name:		SODIUM NITRITE,	SOLUTION		
Product code:	NAN-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

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 u 1272/2008 (CLP)	sed to derive the classification for mixture according to Regulation (EC)	
Classifi	cation	Classification procedure	
_		-	
16.5.	Relevant H statements (numb	er and full text)	
	272	May intensify fire; oxidizer.	
	H: 301	Toxic if swallowed.	
	319	Causes serious eye irritation.	
	400	Very toxic to aquatic life.	
16.6.	Training advice:	-	
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging the product) We are not responsible for consequences in case of failure to comply winstructions 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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Trading name:	VARIAMIN BLUE B, SOLUTION				
Product code:	VAR-OT-X**	Date of compilation:	14 November 2022	Version:	2

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking	
1.1	Product identifier				
	Trading name:	VARIAMIN	BLUE B, SO	DLUTION	
	Chemical name:	-			
	Catalogue number:	VAR-OT-X*	*		
1.2	Relevant identified use	s of the subs	tance or m	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: medical device, re-		duct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and 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:	Telephone number:		+385 1 2409997	
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone	Emergency telephone number			
	National Protection an	d Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	TION 2. Hazards identification					
2.1	Classification of the substar	Classification of the substance or mixture				
2.1.1	Classification according to	Regulation (EC) No 1	272/2008 (CLP)			
	Hazard class and ca	tegory code:	Hazard statements*:			
	Acute Tox. 4		H302			
2.1.2.	Additional information					
	-					
*For fu	ıll text of Hazard- and EU Haza	ard-statements: see S	SECTION 16			
2.2	Label elements					
	Product identification:	Product identification: VARIAMIN BLUE B, SOLUTION				
	Identification number:	-				
	Authorization number:	-				



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Trading name:	VARIAMIN BLUE B, SOLUTION				
Product code:	VAR-OT-X**	Date of compilation:	14 November 2022	Version:	2

	Hazard pictograms:	
		GHS07
	Signal word:	Warning
	Hazard statements:	H302 Harmful if swallowed.
	Precautionary statements:	 P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P501 Dispose of contents/container in accordance with local regulations.
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Endocrine Disrupting Prope	erties:
	No known endocrine disrupti	ng properties
	Results of PBT and vPvB ass PBT or a vPvB.	sessment: According to the results of its assessment, this substance is not a

SECTION 3. Co	SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)		
111-46-6/ 203-872-2/ 603-140-00-6	01-2119457857-21- XXXX	80 – 100 %	diethylene glycol	Acute Tox. 4; H302		

SECT	SECTION 4. First aid measures				
4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.			
	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.			



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Trading name:	VARIAMIN BLUE B, SOLUTION				
Product code:	VAR-OT-X**	Date of compilation:	14 November 2022	Version:	2

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

SECTIO	SECTION 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 compressed air breathing apparatus and fireproof clothing.				
5.4	Additional information				
	Do not contaminate the environment	ent 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	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.				
	Emergency procedures:	Mark the area using proper signs.				
6.1.2.	For emergency responders:					



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Trading name:		VARIAMIN BLUE B, S	SOLUTION		
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	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).				
6.2	Environmental precautions:				
	Do not dispose of in sewage, Protection and Rescue Direct	drainage system and waterways. In case of large spillage contact National orate (NPRD) on 112.			
6.3	Methods and material for cor	ntainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay parriers			
6.3.2.	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.				
6.3.3.	Other information: Do not use incompatible materials (see Section 10).				
6.4	Reference to other sections				
	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.				

SECTIO	CTION 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 generatio	n:	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. The	sh hands after work and before eating.				
7.2	Conditions for safe storage, including any incompatibilities					
	Technical measures and storage conditions:		ghtly closed and upright set containers at ures ranging from +2 to +8 °C.			
	Packaging materials:	Manufacturer's original packaging. Avoid metal containers.				
	Requirements for storage rooms and vessels:	Keep away	y from food and drink. Keep the containers sed.			



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	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection										
8.1 Control pa	rameters									
					exposure l term valu		Bio	logical limit values		
					p	om	mg/m	1 ³		
-			-			-	-		No ir	nformation available
Substance name: -										
EC No:	-	CAS No	•	-						
DNEL										
	Industrial									
Route of	Acı	ıte	,	Acute			Chronic	:		Chronic
exposure:	effect	local	effec	t syster	nic		effect loc	al		effect systemic
Oral	-		-			-			-	
Inhalation	-		-			-			-	
Dermal	-		ı			-			-	
Critical physical par	ameters: s	olubility,	flamma	ability, c	corrc	sivity:	-			
				(Cons	sumer				
Route of	Acı	ute	Acute				Chronic			Chronic
exposure:	effect	local	effec	ct syster	mic		effect loc	al		effect systemic
Oral	-		-		-		-			
Inhalation	-		-		-				-	
Dermal	-		-							
PNEC										
Environmental prot	ection tar	get			F	PNEC				



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Fresh water	no information available
Freshwater sediments	no information available
Marine water	no information available
Marine sediments	no information available
Food chain	no information available
Microorganisms in sewage treatment	no information available
Soil (agricultural)	no information available
Air	no information available

8.2	Exposure controls				
8.2.1.	Appropriate engineering controls	5			
	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:	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:	Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves (EN 340) and shoes that cover the entire foot.			
8.2.2.3.	Respiratory protection:	Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present.			
8.2.2.4.	Thermal hazards:	No information 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.		



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Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
Technical measures to prevent exposure:	See Section 6

Information on basic physical and chemical properties							
_		Value	Method				
	Physical state:	liquid	Visual inspection				
	Colour:	yellow / brown	Visual inspection				
	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				
	Other information						

SECTION	SECTION 10. Stability and reactivity						
10.1	Reactivity:	See subsections 10.3 through 10.5.					
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).					
10.3	Possibility of hazardous reactions:	No dangerous reactions known.					
10.4	Conditions to avoid:	No information available					



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Trading name:	Trading name:		VARIAMIN BLUE B, SOLUTION			
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10.5	Incompatible materials:	No information available
10.6	Hazardous decomposition products:	No information available

11.1 Information	n on toxicolo	gical effects					
Acute toxic	ity:	-					
Route of exposure:	Method	Species		₅₀ /LC ₅₀ or E _{mix}	Exposure ti	me	Results
Oral:	No informati available			-	No information	n	_
Dermal:	-	No information available		-	No information	n	-
Inhalation:	-	No information available		-	No information	n	-
Specific tar		xicity – single expos	sure (STOT S	SE):			
		pecific effects		Target o			Note
Oral:	No information available			nformation a	available	-	
Dermal: No information available			No i	nformation a	available	-	
Inhalation: No information available			No i	nformation a	available	-	
E							
Aspiration	hazard:	No	informatio	n available.			
Ė							
Irritation ar	nd corrosion						
	Ехро	osure time	Species	Evaluati	on Method		Note
Skin corrosion/irritation:	-	-		-	-	-	
Serious eye damage/irritation	-	-		-	–	-	
Sensitizatio	n						
Skin sensitization:	-						
Respiratory sensitiza	ntion: -						
· · · · · · · · · · · · · · · · · · ·	:						
Symptoms	related to th	e physical, chemica	l and toxico	logical chara	cteristics		
Oral exposure:	No inform	mation available.					
Dermal exposure:	No infor	nation available.					



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Trading name:		VARIAMIN BLUE B, S	OLUTION		
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Eye exposure:	1	No informati	on available.				
Repeate	ed dose	toxicity (sub	acute, subchro	onic, chronic)			
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No i availal	nformation ble	No information available	No information available	No information available	No informatio available	n -
Subacute dermal	No i availal	nformation ble	No information available	No information available	No information available	No informatio available	n -
Subacute inhalation	No i availal	nformation ble	No information available	No information available	No information available	No informatio available	n -
Subchronic oral	No information available		No information available	No information available	No information available	No informatio available	n -
Subchronic dermal	No information available		No information available	No information available	No information available	No informatio available	n -
Subchronic inhalation	No i availal	nformation ble	No information available	No information available	No information available	No informatio available	n -
Chronic oral	No i availal	nformation ble	No information available	No information available	No information available	No informatio available	n -
Chronic dermal	No information available		No information available	No information available	No information available	No informatio available	n -
Chronic inhalation	No i availal	nformation ble	No information available	No information available	No information available	No informatio available	n -
Specific	target o	organ toxicit	y – repeated e	xposure (STOT	RE):		
			Specific effec	ts	Target o	rgan	Note
Subacute oral			tion available		No information		-
Subacute dermal		No informa	tion available		No information	n available	-
Subacute inhalat	ion	No informa	tion available		No information	n available	-
Subchronic oral		No informa	tion available		No information	n available	-



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Subchro	onic 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	Chronic inhalation No information available			No information available	-			
	CMR effects (c	arcinogenicity; mutagenicity; re	productive t	toxicity)				
	Carcinogenicity:			idies on test animals did not iic effects.	t indicate			
	Mutagenicity in vitro:			Current in vitro tests did not indicate mutagenic effects.				
	Genotoxicity:			ation available.				
	Mutagenicity in vivo:			vivo tests did not indicate m	nutagenic effects.			
	Germ cell mutagenicity:			No information available.				
	Reproductive toxicity:			No toxicity on reproductive organs was determined in reproductive organs.				
			-					
	Summary of properties:	evaluation of the CMR	No information available.					
11.2.	Information or	other hazards:						
11.2.1.	Endocrine disr	upting properties:						
	No known end that affect hun	docrine disrupting properties nan health.						
11.2.2.	Other informat	tions:						
	_							

SECTION 12. Ecologic	SECTION 12. Ecological information								
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	-			



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Algae/aquatic plants IC ₅₀		IC ₅₀	8 days	No information available	No information available	No inforr availa	nation ble	-
Other organism	าร	-	72 hours	-	-	-		-
Chronic (long-t toxicity	erm)	Dose	Exposur time	e Species	Method	Evalu	ıation	Note
Fish		LC ₅₀	96 hours	No information available	No information available	No inforn availa	nation ble	-
Crustacea:		EC ₅₀	48 hours	No information available	No information available	No inforn availa	nation ble	-
Algae/aquatic μ	olants	IC ₅₀	72 hours	No information available	No information available	No inforn availa	nation ble	-
Other organism	าร	-	-	-	-	-		-
	c degr	adation	·	Mathad	F.,-1	20		Note
Marine water	Degradation half-lives Marine water No information available			Method No information	Evaluation No information		_	Note
Fresh water	No i	nformation a	available	available No information available	available No information available			
Air	No i	nformation a	available	No information available	No information	on	-	
Soil	oil No information available		No information available	No information - available		-		
Biode	gradati	on						
% Degradati	on	Time (days)	Method	Evaluatio	on		Note
No information available		No in available	formation	No information available	No information	on	-	
12.3 Bioacc	umula	tive potentia						
		er partition o		log Kow)				

°C

Method

Evaluation

Note

рΗ

Value

Concentration



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Trading name:		VARIAMIN BLUE B, SOLUTION											
Product code: VAR-C		OT-X**		Date	of co	mpilatio	on:	14 No	vembe	r 2022	Version:	2	
-		informat lable	ion -		_	o info	ormatior le		inform	nation	-		
	Bioconce	ntration	factor (BCF)										
Va	lue		Species		М	ethod		E۱	/aluatio	on		Note	
No informavailable		No availa	inform ble	nation	No infor available		on	No info		on	No information available		
	Chronic e	cotoxici	ty		-					:		:	
	Value		Dose		osure ime	Spe	ecies	Meth	nod	Evalu	uation	Note	
Chronic t	Chronic toxicity on fish LC ₅₀		LC ₅₀	No infor avail	mation	No inforr availa	nation Ible	No inform availab		No inform availab		-	
	toxicity or a (<i>Daphni</i>		EC ₅₀	No infor avail	mation	No inforr availa	mation Ible	No inform availab		No inform availat		-	
12.4	Mobility	in soil											
	Known o	r predict	ed distribut	on in e	environme	ental c	ompart	ments:					
	No inforr	nation a	vailable										
	Surface to	ension:											
	Value		°C	C	oncentrati	ion		Metho	od			Note	
	No No information available available			lo information No information available		formation -							
	Adsorption	on / desc	orption										
Transpor	†	A/D coe Henry's c		lo	og Kow	Ev	/aporati	on rate		Method		Note	
Soil-wate	er No avai	iı lable	nformation	No ir	nformation able		o inform ailable	nation	No ir	nformati able	ion _		



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Water-a	ir 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 asses	sment					
	No information available						
12.6.	Endocrine disrupting properti	es					
	No known endocrine disruptir	ng properties that	affect the environr	nent.			
12.7.	Other adverse effects						
	No information available						
SECTIO	N 13. Disposal considerations	5					
13.1	Waste treatment methods						
13.1.1.	Product/Packaging disposal						
	Submit for disposal to the le Protection.	egal person autho	rized by the Ministi	y of Environmental	and Nature		
13.1.2.	Waste codes/waste designa	tions according to	Law:				
	No information available						
10.10							
13.1.3.	Waste treatment – relevant	intormation:					
	No information available						
10.4.4							
13.1.4.	Sewage disposal – relevant						
	Waste must not be disposed	d of into the sewa	ge system.				
12.15	Other dieseral a	-ti					
13.1.5.	Other disposal recommenda		Ala a a su	College	- 4 - 4 - 11 -		
	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.	ors authorized by	the ministry in Cha	rge. Do not dispose	or in places where		
13.1.6.	Relevant Community provisi	ions:					
	-						



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Product code:	VAR-OT-X**	Date of compilation:	14 November 2022	Version:	2	

Section 14. Transport information	
Transporting/shipment by road (ADR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (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 (IN	MDG)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-



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Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

15.1	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or rest	rictions of use
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2	Chemical safety assessme	ent
	None	

SECTION 16. Other information



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Trading name:		VARIAMIN BLUE B, S	SOLUTION			
Product code:	VAR-OT-X**	Date of compilation:	14 November 2022	Version:	2	

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 u 1272/2008 (CLP)	sed to derive the classification for mixture according to Regulation (EC)			
Classifi	cation	Classification procedure			
_		-			
16.5.	Relevant H statements (number	er and full text)			
	H: 302	Harmful if swallowed.			
16.6.	Training advice:	-			
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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Trading name:	ALP BUFFER				
Product code:	TRIS-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:	ALP BUFF	ER		
	Chemical name:	-	-		
	Catalogue number:	TRIS-OT-	TRIS-OT-X**		
1.2.	. Relevant identified uses of the substance or mixture and uses advised against			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 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		
	Fax no.:		+385 1 2404039		
	e-mail of competent person:		msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone number				
	National Protection and Rescue D			112	
	National Protection a	nd Rescue D)irectorate:	112	
	National Protection as Medical information:	nd Rescue D)irectorate:	+385 1 2348 342	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regula	ntion (EC) No 12	272/2008 (CLP)		
	Hazard class and category	/ code:	Hazard statements*:		
	Not identified as hazardous subst	ance.	-		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-sta	atements: see S	ection 16		
2.2.	Label elements				
	Product identification:	ALP BUFFER			
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	-			



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Trading name:	ALP BUFFER			
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	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)
-	-	-	Contains no hazardous substances	-

SECTION	ECTION 4. First aid measures				
4.1.	Description of first aid measures	ion 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				
	FOIIOWING INNAISTION.	ccording to our findings, chemical, physical and toxicological properties of substance have not been entirely tested.			
	FUIIOWING SKIN CONTACT.	ccording to our findings, chemical, physical and toxicological properties of e substance have not been entirely tested.			



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

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 those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Wear protective equipment (see Section 8).			
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material for containment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		



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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 ea				
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	e contr	ols/person	al protec	tion				
8.1. Control para	meters	T						
Substance		CAS I	No		•	exposure limit t term values	Biological limit values	
				ppm	mg/m³			
-		-			-	-	No information available	
Substance - name:								
EC No: -		CAS No:	-					
DNEL								
				Inc	dustrial			
Route of	A	Acute		Acut	e	Chronic	Chronic	
exposure:	effe	ect local	effe	ct sys	temic	effect local	effect systemic	
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			<u> </u>	-	
Critical physical parar	meters: s	solubility, fla	mmabilit	y, cor	rosivity:	-		
	1		_	Co	nsumer			
Route of		Acute		Acut		Chronic	Chronic	
exposure:	effe	ect local	effe	ct sys	temic	effect local	effect systemic	
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			-	-	
PNEC					<u> </u>			
Environmental protect	tion tar	get			PNEC			
Fresh water					No information available			
Freshwater sediments					No information available			
Marine water					No information available			
Marine sediments					No information available			
Food chain						mation available		
Microorganisms in sewage treatment					No information available			
Soil (agricultural)	Soil (agricultural)				No information available			
Air					No infor	mation available		



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8.2.	Exposure controls				
8.2.1.	Engineering measures				
	Substance/mixture related measures to prevent expoduring identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prexposure:	event	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to pre exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equip	oment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 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		

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:	9.45 – 9.55	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	Mathad	Chasias	Effective dose	Exposure	e Doculto
exposure:	Method	Species	LD ₅₀ /LC ₅₀ or ATE _{mixture}	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	e (STOT SE):		
<u> </u>	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	-	
Respiratory	irritation:	No inf	ormation available		
Irritation ar	nd corrosion	<u> </u>			.
Chin invitation	Exposure time	Species	Evaluation	Method	Note
Skin irritation: Eye irritation:	-	-		_	_
eve irritation.	-	-	-	-	-
	n				
Sensitizatio Dermal exposure:	n No information avai	ilable			
Sensitizatio					
Sensitization Dermal exposure: Inhalation exposure:	No information avail	ilable			
Sensitization Dermal exposure: Inhalation exposure: Symptoms	No information available No information available related to the physic	ilable al, chemical an	d toxicological characterist	ics	
Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	No information available No information available related to the physic No information a	ilable al, chemical an vailable	d toxicological characterist	ics	
Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure: Dermal exposure:	No information available No information available related to the physic No information a No information a	ilable al, chemical an vailable vailable	d toxicological characterist	ics	
Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	No information available No information available related to the physic No information a No information a	ilable al, chemical an vailable 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	-

·	c .u .u .	- .	N
	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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Trading name:		ALP BUFF	ER	<u> </u>	
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Chronic	inhalation	No informat	tion available	No information available	-
	CMR effects (c	carcinogenicity	, mutagenicity	r, reproductive toxicity)	
	Carcinogenicit			available data, the classification criteria	a are not met.
	Mutagenicity i	in-vitro:	Based on	available data, the classification criteria	are not met.
	Genotoxicity:		Based on	available data, the classification criteria	are not met.
	Mutagenicity i			available data, the classification criteria	
	Germ cell mut			available data, the classification criteria	
	Reproductive	toxicity:	Based on	available data, the classification criteria	a are not met.
11.2	Summary of e			ties: -	
11.2.1.	Endocrine disr				
	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 informa	tions:			
	-				

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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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
RIOC	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	рΗ	°C	Method	Evaluation	Note
-	No information available	-	-	No information available	No information available	-

Bioconcentration factor (BCF)



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'	√alue		Species	Me	ethod	Evaluation		Note	9
No information No information available available		on No information available		No information available	No information available		/ailable		
	Chronic	c ecotox	ricity						
	Value)	Dose	Exposure time	Species	Method	Evalua	tion	Note
Chroni	c toxicity	on fish	LC ₅₀	No information available	No information available	No information available	No inform available	nation	-
	c toxicity cea (<i>Daph</i>		EC ₅₀	No information available	No information available	No information available	No inform available	nation	-
12.4.	Mobilit	ty in soil							
		ty III 3011							
		•		on in environm	ental compart	tments:			
	Known	or pred		on in environm	ental compart	tments:			
	Known No info	or pred	icted distributi n available	on in environm	ental compart	tments:			
	Known No info	or pred ormation	icted distributi n available	on in environm	I	tments:			Note
	Known No info	or pred ormation e tension lue	icted distributi n available n:		tion		able	-	Note
	Known No info Surface Valu No informa	or pred ormation e tension lue	icted distributinavailablen: °C No information	Concentra No informat	tion	Method	able	-	Note
	Known No info Surface Valu No informa availab	or pred ormation e tension lue ation ble	icted distributinavailablen: °C No information	Concentra No informat	tion	Method	able	-	Note
	Known No info Surface Valu No informa availab	or predormation e tension lue lue luction / d	icted distributinavailable "C No informationavailable	Concentra No informat	tion No inf	Method	able		Note
Transp	Known No info Surface Valu No informa availab Adsorp	or predormation e tension lue lue luction / de A/D c Henry'	icted distribution available NO Information available esorption oefficient	Concentra No informat available	tion No inf	Method formation avail		:hod	
Transp Soil-wa	Known No info Surface Valu No informa availab Adsorp ort ater No ava No Adsorp	or predormation e tension lue ation ole A/D c Henry'	icted distribution available "C No information available esorption oefficient s constant	Concentra No information info	tion No inf Evapo No inform available	Method formation avail pration rate	Met No inform	chod	



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	1		1			

12.5.	Results of PBT and vPvB assessment
	No information available
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
	No information available
i	
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
12.1.4	
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	N 14. Transport information
	Transporting/shipment by road (ADR)



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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 (IN	MDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
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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15.1.	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture				
	EU regulations					
	Authorization and/or rest	rictions of use				
	Authorizations:	-				
	Restrictions:	-				
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);				
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-quideline)					
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act				
15.2.	Chemical safety assessme	ent				
	None					

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

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Λ	NI	М	ᆮ	v	
А	v	IV	_		=

Exposure scenario resulting to Chemical safety assessment

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1.1	Product identifier					
	Trading name:	ALP SUBSTI	RATE			
	Chemical name:	-	-			
	Catalogue number:	NAF-OT-X**				
1.2	Relevant identified us	es of the subs	tance or m	nixture and uses advised against		
	Uses:		For use i	in cytochemical diagnostics.		
	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:		BioGnost Ltd.			
	Address:	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	ectorate:	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 Regu	ulation (EC) No 12	272/2008 (CLP)	
	Hazard class and catego	ory code:	Hazard statements*:	
	Skin Irr. 2		H315	
	Eye Irr. 2		H319	
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: ALP SUBSTRATE			
	Identification number:	Identification number: -		
	Authorization number:	-		



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	Hazard pictograms:	GHS07
	Signal word:	Warning
	Hazard statements:	H315 Causes skin irritation. H319 Causes serious eye irritation.
	Precautionary statements:	 P264 Wash skin thoroughly after handling. P280 Wear protective gloves/ eye protection/ face protection. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention.
	Supplemetal hazard information (EU):	
2.3	Other hazards	
	Endocrine Disrupting Proper	ties:
	No known endocrine disruptin	
	Results of PBT and vPvB asse PBT or a vPvB.	essment : According to the results of its assessment, this substance is not a

SECTION 3. Cor	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)	
115-69-5/ 204-100-7/	-	<50%	2-amino-2-methylpropane- 1,3-diol	Skin Irr.2; H315 Eye Irr.2; H319	
1136-89-6/ 214-502-4/ -	-	<2%	Naphthyl dihydrogen phosphate	Skin Irr.2; H315 Eye Irr.2; H319 STOT SE 3; H335	

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



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	Following inhalation:	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 ef	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.
	Following ingestion:	Danger of gastric perforation.
		cal attention and special treatment needed

SECTIO	ON 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	
	Do not contaminate the environment	ent with extinguishing media.

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



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	Protective equipment:	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 c (see Section 8).	ase of inadequate ventilation use adequate airways protective equipment
6.2	Environmental precautions:	
	Do not dispose of in sewage, d Protection and Rescue Director	rainage system and waterways. In case of large spillage contact National rate (NPRD) on 112.
6.3	Methods and material for cont	ainment 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.
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).
6.4	Reference to other sections	
	See Section 7 for information of See Section 8 for information of See Section 13 for disposal info	on personal protection equipment.

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



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	Technical measures and storage conditions:	Keep in tightly closed and upright set containers at temperatures ranging from +2 to +8 °C.
	Packaging materials:	Manufacturer's original packaging. Avoid metal containers.
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Expos	ure contr	ols/perso	nal pr	otectio	n					
8.1 Control pa	rameters									
Substance		CA	S No		•		•	sure limit values	Biologi	cal limit values
					ppr	m	n	ng/m³		
-							-	No infor	mation available	
Substance name:	-									
EC No:	-	CAS No	:	_						
DNEL										
				1	Indus	trial				
Route of	Acı	ıte		Acute			Ch	ronic		Chronic
exposure:	effect	local	effe	ct syster	mic		effe	ct local	e	ffect systemic
Oral	-		-			-			-	
Inhalation	-		-			-			-	
Dermal	-		-			-			-	
Critical physical par	ameters: s	solubility,	flamm	ability, o	corros	ivity:		_		
				(Consu	ımer				
Route of	Acı	ute		Acute			Ch	ronic		Chronic
exposure:	effect	local	effe	ct syster	mic		effe	ct local	e	ffect systemic



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						1			
Oral		-	-		-		-		
Inhalation	1	-	-		-		-		
Dermal		-	-		-		-		
PNEC				ı					
Environm	ental pro	tection target			PNEC				
Fresh wat	er				no information a	vailable			
Freshwate	er sedime	ents			no information a	vailable			
Marine wa	ater				no information a	vailable			
Marine se	diments				no information a	vailable			
Food chai	n				no information a				
		sewage treatmen	t		no information a	vailable			
Soil (agric	ultural)				no information a				
Air					no information a	vailable			
8.2	- Fyrnas	ura controla							
		ure controls							
8.2.1.	Appro	priate engineering	g controls						
		ance/mixture relat nt exposure during			Use the product protective equipments workspace.			•	
	Struct expos	ural measures to p ure:	orevent		In accordance wi	th Section 7.			
	Orgar expos	nisational measure ure:	s to preven	t	Organization of vinfluence during			ce other worke	r's
	Techn	ical measures to p	revent exp	osure:	Secure proper wo concentration lev stations for rinsin	els in air belo	w perm	nitted levels. Se	
8.2.2.	Perso	nal protection equ	ipment						
8.2.2.1.	Eye ar	nd face protection:		levels o	glasses that stick t f concentration in ace in case of high	air; protectiv	e gas m	ask that covers	
8.2.2.2.	Skin p	rotection	i.						
	Hand	protection:		Protect	ive nitrile gloves,	>0.11 mm thi	ck (EN 3	374).	
	Other	skin protection:			ntistatic clothing r ng sleeves (EN 340				
8.2.2.3.	Respii	ratory protection:			quired under norm ory protective dev :.				



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8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

Information on basic physical and	chemical properties	
	Value	Method
Physical state:	liquid	Visual inspection
Colour:	colourless to yellowish	Visual inspection
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



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

11.1	Information	on toxicolo	gical effects					
	Acute toxic	ity:						
Route exposi		Method	Species	Do	ose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure t	ime	Results
Oral:		_	No informatio available	n	_	No information	on	_
Derma	ıl:	_	No informatio available	No information available		No information	on	_
Inhalat	tion:	-	No informatio available	n	-	No information	on	_
	Specific tar		kicity – single ex	posure (S	STOT SE):			
		Specific effects			Target	organ		Note
Oral:		No informa	tion available		No information	available	-	
Derma	ıl:	No informa	tion available		No information available -			
Inhalat	tion:	No informa	tion available		No information	available	-	
	Aspiration I	nazard:		No infor	mation available.			
	-		i .					
	Irritation ar	nd corrosion						
		Ехро	sure time	Spec	cies Evalua [.]	tion Method	k	Note
Skin corros	ion/irritation:	-		-	-	-	-	
Serious eye damage/irritation		-			-	-	-	



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Skin sensitization	1:	-										
Respiratory sensi	tizatio	on: -										
Sympto	ms rel	ated to the ph	nysical, chemica	al and toxicolog	ical characteristi	CS						
Oral exposure:		No informati	on available.									
Dermal exposure	:	No informati	information available.									
Inhalation exposi	ure:	No informati	on available.									
Eye exposure:		No informati	on available.									
Repeate	d dos	e toxicity (sub	acute, subchro	nic, chronic)								
	Dose		Exposure time	Species	Method	Evaluation	Note					
Subacute oral	No information available		No information available	No information available	No information available	No information available	-					
Subacute dermal	No avai	information lable	No information available	No information available	No information available	No information available	-					
Subacute inhalation		information lable	No information available	No information available	No information available	No information available	-					
Subchronic oral		information lable	No information available	No information available	No information available	No information available	-					
Subchronic dermal	-	information lable	No information available	No information available	No information available	No information available	-					
Subchronic inhalation		information lable	No information available	No information available	No information available	No information available	-					
Chronic oral		information lable	No information available	No information available	No information available	No information available	-					
Chronic dermal		information lable	No information available	No information available	No information available	No information available	-					
Chronic inhalation		information lable	No information available	No information available	No information available	No information available	-					



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		Specific effects	Target organ	Note			
Subacu	te oral	No information available	No information available	-			
Subacu	te dermal	No information available	No information available	-			
Subacu	te inhalation	No information available	No information available	-			
Subchr	onic oral	No information available	No information available	-			
Subchr	onic dermal	No information available	No information available	-			
Subchr	onic inhalation	No information available	No information available	-			
Chronic	oral	No information available	No information available	-			
Chronic	dermal	No information available	No information available	-			
Chronic	inhalation	No information available	No information available	-			
	,						
	CMR effects (c	arcinogenicity; mutagenicity; re	eproductive toxicity)				
	Carcinogenicit	y:	Current studies on test animals did not indicate carcinogenic effects.				
	Mutagenicity i	n vitro:	Current in vitro tests did not indicate r	nutagenic effects.			
	Genotoxicity:		No information available.				
	Mutagenicity i	n vivo:	Current in vivo tests did not indicate m	nutagenic effects.			
	Germ cell muta	agenicity:	No information available.				
	Reproductive t	coxicity:	No toxicity on reproductive organs was determined in reproductive organs.				
	Summary of properties:	evaluation of the CMR	No information available.				
11.2.	Information or	n other hazards:					
11.2.1.	Endocrine disr	upting properties:					
	components c disrupting pro Article 57(f) regulation (EU	e/mixture does not contain onsidered to have endocrine operties according to REACH or Commission Delegated 1) 2017/2100 or Commission 1) 2018/605 at levels of 0.1% or					

SECTION 12. Ecological information



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12.1 Toxicit			- Fym o gym					
Acute (short-te toxicity	rm)	Dose	Exposur time	e Species	Method	Evalu	ation	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 inform availal		-
Algae/aquatic plants		IC ₅₀	8 days	No information available	No information available	No inform availal		-
Other organism	าร	-	72 hours	-	-	-		-
Chronic (long-t toxicity	erm)	Dose	Exposur time	e Species	Method	Evalu	ation	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 inform availal		-
Algae/aquatic p	olants	IC ₅₀	72 hours	No information available	No information available	No inform availal		-
Other organism	าร	-	-	-	-	-		-
100 0 .			•1•.					
		nd degradal	ollity					
ADIOU	c degra		alf lives	Mathad	Evaluatio	an l		Noto
		gradation h		Method No information	Evaluation No information			Note
Marine water	No ir	nformation a	vailable	available	available	- •	-	
Fresh water	No ir	nformation a	vailable	No information available	No information	on	-	
Air	No ir	information available		No information available	No information	n	-	
Soil	No ir	nformation a	vailable	No information available	No information	No information available		

	gradatio							
% Degradati	on	Time (d	days)	Method	Evaluation	on		Note



Trading name:

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No info	ormation le	No avail	infor lable	mation				No information available		-			
12.2	D:	بر میشد.											
12.3	Octanol-w	•	rtition coef	ficient (log Kow	<i>γ</i>)							
Valu		ncentra		рН	°C		ethod		Evalu	ation		Note	
_	No information available			_	No info	rmatio	n	No inform		-			
	D:	44:	ft - : /DCI										
V	/alue	tration	factor (BCF Species	·)	2 2 3 3 4 4 5 7 7 8 7	Method	ı		Evaluation	on	2 2 3 3 4 4 7 7	Note	
No information No information available available		nation				No information available		No information available					
	Chronic	atovicit	h. ,										
	Chronic ed Value	.OtOxicii	Dose		osure ime	Spe	ecies	ľ	Method	Evalu	ation	Note	
Chronic	toxicity on	fish	LC ₅₀	No infor avail	mation able	No inforr availa	mation able		lo No nformation inform			-	
	toxicity on ea (<i>Daphnia</i>)	EC ₅₀	No infor avail	mation able	No inforr availa	mation ible	1	ormation ailable	No informa availab		-	
12.4	Mobility in												
			ed distribu	tion in e	environn	nental c	ompar	tmen	ts:				
	No inform		vailable										
	Surface te Value	nsion:	°C		oncontr	ation		N A	othod			Note	
	No informatio available			No	information No info		Method information iilable		-		Note		



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1	Adsorptio		•							
Transport	t i	-	oefficient s constant	log	g Kow	Evaporation rat	e Metł	nod	Note	
Soil-wate	r No availa	ble	information	No inf	ormation ble	No information available	No inforr available	nation	-	
Water-air	No availa	able	information	No information available		No information available	No inforr available	nation	-	
Soil-air	No availa	ble	information	No inf	ormation ole	No information available	No inforr available	nation	-	
						3	:		- 1	
12.5. I	Results of	PBT	and vPvB asses	sment						
I	No inform	atior	n available							
12.6. I	Endocrine	disru	upting properti	es						
I	No inform	ation	n available							
1										
	Other adv									
	No inform	atior	n available							
	<u> </u>		consideration	5						
13.1	waste tr	eatm	nent methods							
13.1.1.	Product	/Pack	caging disposa							
13.1.1.					son autho	rized by the Mini	stry of Enviro	nmental	and Nature	
	Protection									
13.1.2.			/waste designa	tions ac	cording to	Law:				
	No infor	mati	on available							
12.12	\ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \									
13.1.3.			nent – relevant	intorma	ition:					
	INO INTOR	mati	on available							
13.1.4.	Sawago	dien	osal – relevant	informa	tion:					
13.1.4.	Sewage	uispi	Jan – reievalit	iiiioiiiia	tion.					



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	Waste must not be dispos	sed of into the sewage system.				
10.15						
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 prov	visions:				
	-					
SECTION	N 14. Transport informatio					
	Transporting/shipment by r	road (ADR)				
UN num	ber:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing group:		-				
Environmentally hazardous:		-				
Special p	precautions for user:	-				
	Transporting/shipment by r	rail (RID)				
UN num	ber:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transport hazard class(es):		-				
Packing	group:	-				
Environr	nentally hazardous:	-				
Special precautions for user:		-				
	Inland waterway transport (ADN)				
UN number:		Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing	group:	-				
Environr	mentally hazardous:	-				
Special p	precautions for user:	-				
	Transporting/shipment by s	sea (IMDG)				
UN num	ber:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpo	rt hazard class(es):	-				



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

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



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

SECTIO	ON 16	5. Other information			
16.1	Ind	ication of changes:	-		
16.2	,		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.		viliterature references and arce of data:	-		
16.4.		Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classifi	lassification		Classification procedure		
-			-		
16.5.	Rel	evant H statements (numb	per and full text)		
		315	Causes skin irritation.		
	H:	319	Causes serious eye irritation.		
		335	May cause respiratory irritation.		
16.6.	Tra	ining advice:	-		
16.7.	Further information: V		** "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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