

LEUKOGNOST NSE

The kit contains:

Reagent 1 (Sodium nitrite, solution)

Reagent 2 (Pararosaniline, solution)

Reagent 3 (NSE buffer)

Reagent 4 (NSE substrate)

Reagent 5 (NSE inhibitor)



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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 Notion in an	°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 packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

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Exposure scenario resulting to Chemical safety assessment



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Trading name:		PARAROSANILINE, S	OLUTION		
Product code:	PARA-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

1.1	Product identifier				
	Trading name:	PARAROSA	PARAROSANILINE, SOLUTION		
	Chemical name:	-	-		
	Catalogue number:	PARA-OT-X	ARA-OT-X**		
1.2	Relevant identified us	Relevant identified uses of the substance or mixture 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 p	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	ION 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*:	
	Acute Tox. 4		H302		
	Carc. 1B		H350		
2.1.2.	Additional information				
	-				
*For ful	ll text of Hazard- and EU Hazard-	statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	PARAROSANILI	NE, SOLUTION		
	Identification number: -				
	Authorization number:	-			



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Trading name:		PARAROSANILINE, SOLUTION				
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	Hazard pictograms:	GHS07 GHS08
	Signal word:	Danger
	Hazard statements:	H302 Harmful if swallowed. H350 May cause cancer.
	Precautionary statements:	 P201 Obtain special instructions before use. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/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. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P501 Dispose of contents/container in accordance with local regulations.
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Results of PBT and vPvB ass PBT or a vPvB.	

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		
569-61-9/ 209-321-2/ 611-031-00-X	-	4 – 5 %	4,4'-(4-iminocyclohexa-2,5-dienylidenemethylene) dianiline hydrochloride	Carc. 1B; H350		



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Trading name:	PARAROSANILINE, SOLUTION				
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4.1	Description of first aid measures		
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.	
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.	
	Self-protection of the first aider:	_	
4.2	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.	
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.	
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.	
	Following ingestion:	Danger of gastric perforation.	
4.3	Indication of any immediate medi	cal attention and special treatment needed	

SECTIO	CTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
	Unsuitable extinguishing media:	No information available			
5.2	Special hazards arising from the substance or mixture				
	Hazardous combustion products: No information available				
5.3	Advice for firefighters				
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.				
5.4	Additional information				



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Trading name:		PARAROSANILINE, S	OLUTION	_	
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Do not contaminate the environment with extinguishing media.

SECTIO	ON 6. Accidental release meas	ures			
6.1	Personal precautions, protective	ve equipment and emergency procedures			
6.1.1.	For non-emergency personnel	r 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:				
	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, or Protection and Rescue Directo	drainage system and waterways. In case of large spillage contact National rate (NPRD) on 112.			
6.3	Methods and material for 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	on safe handling.			
	See Section 8 for information of	on personal protection equipment.			
	See Section 13 for disposal info	ormation.			

SECTIO	SECTION 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Use in well ventilated storage rooms. Keep away from sources of ignition and heat.			
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.			
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.			



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Trading name:	PARAROSANILINE, SOLUTION				
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i						
	Other measures:	-				
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. Th	oroughly wash hands after work and before eating.				
7.2	Conditions for safe storage, including any incom	npatibilities				
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers 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:	-				

Industrial	Industrial sector specific solutions: -						
SECTION 8. Exposure controls/personal protection							
8.1 Control p	8.1 Control parameters						
Substance	Occupational ex Substance CAS No values/short to				Biological limit values		
				рр	m	mg/m³	
-			-	-		-	No information available
Substance name:	_						
EC No:	-	CAS No	-				
DNEL							
				Indus	trial		
Route of exposure:	Acu effect		Acut effect sys			Chronic effect local	Chronic effect systemic
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-	<u> </u>	-



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			, flammability, co	nsume	:		
Route of		Acute	Acute				Chronic
exposure	e: 	effect local	effect system	ic	effect local	eff	ect systemic
Oral		-	-	-		-	
Inhalation	n	-	-	-		-	
Dermal		-	-			-	
PNEC				1			
Environm	nental prot	ection target		PNEC			
Fresh wat	ter			no inf	ormation available	!	
Freshwate	er sedimer	nts		no inf	ormation available	ļ	
Marine w	ater			no inf	ormation available		
Marine se	ediments			no inf	ormation available	!	
Food cha	iin			no inf	ormation available)	
Microorg	anisms in	sewage treatment		no information available			
Soil (agrid	cultural)			no information available			
-			no information available				
Air				no int	ormation available		
Air 8.2	Exposu	ure controls		no inf	ormation available		
	•	ure controls priate engineering	controls	no inf	ormation available		
8.2	Approp		d measures to	Use th	ne product in well ctive equipment. C	ventilated rooms	•
8.2	Approp Substa	priate engineering ince/mixture relate it exposure during ural measures to pr	d measures to identified uses:	Use the protection works	ne product in well ctive equipment. C	ventilated rooms o not eat, drink	•
8.2	Substa preven Structu exposu	priate engineering ince/mixture relate it exposure during ural measures to pr ure: isational measures	d measures to identified uses:	Use the protein works. In accompany	ne product in well ctive equipment. D pace.	ventilated rooms o not eat, drink on 7. order to reduce	or smoke in the
8.2	Substa preven Structu exposu Organi exposu	priate engineering ince/mixture relate it exposure during ural measures to pr ure: isational measures	d measures to identified uses: revent to prevent	Use the protein works. In accompanies of the security of the	ne product in well ctive equipment. D pace. ordance with Sect	ventilated rooms o not eat, drink on 7. order to reduce rocess. e ventilation in o	or smoke in the other worker's order to keep
8.2	Substa preven Structu exposu Organi exposu	priate engineering ince/mixture relate it exposure during ural measures to pr ure: isational measures ure:	d measures to identified uses: revent to prevent event exposure:	Use the protein works. In accompanies of the security of the	ne product in well ctive equipment. E pace. ordance with Sect nization of work in nce during work per proper workspacentration levels in a	ventilated rooms o not eat, drink on 7. order to reduce rocess. e ventilation in o	or smoke in the other worker's order to keep
8.2 8.2.1.	Substa prevent Structu exposu Organi exposu Techni	priate engineering Ince/mixture relate It exposure during Irral measures to pr Irre: Isational measures Irre: Irre: Irrai measures Irre:	d measures to identified uses: revent to prevent event event event safety levels of	Use the protein works. In accompanies of concession co	ne product in well ctive equipment. E pace. ordance with Sect nization of work in nce during work per proper workspacentration levels in a	ventilated rooms to not eat, drink on 7. order to reduce rocess. e ventilation in coir below permitted and showering. EN 166) or visor otective gas mas	or smoke in the other worker's order to keep ted levels. Secure in case of lower
8.2 8.2.1.	Substa prevent Structurexposus Organiexposus Technic Person	priate engineering Ince/mixture relate It exposure during Irral measures to pr Irre: Isational measures Irre: Ical measures to pr Irral measures to pr Irral measures Irral measures to pr	d measures to identified uses: revent to prevent event event event safety levels of	Use the protein works. In accompanies of concession co	ne product in well ctive equipment. E pace. ordance with Sect nization of work in nce during work pe proper workspacentration levels in a ns for rinsing eyes that stick to face entration in air; proper workspacentration in air; pr	ventilated rooms to not eat, drink on 7. order to reduce rocess. e ventilation in coir below permitted and showering. EN 166) or visor otective gas mas	or smoke in the other worker's order to keep ted levels. Secure in case of lower



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	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 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

.1	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	Visual inspection
	Colour:	purple	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
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available



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	Particle characteristics:	No information available	No information available
9.2	Other information		
	-		

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			

SECTIO	N 11. Toxico	ological info	rmation						
11.1 Information on toxicological effects									
	Acute toxic	ity:							
Route o		Method	Species	Do	se LD_{50}/LC_{50} or ATE_{mix}	E>	posure tim	e Results	
Oral:		-	No information	on	-	No ir availa	nformation able	-	
Dermal	-	-	No information	on	-	No ir availa	nformation able	-	
Inhalati	on:	_	No information	on	-	No ir availa	nformation able	-	
	Specific tar		xicity – single ex pecific effects	posure (S		et organ		Note	
Oral:		No informa	tion available		No information available -				
Dermal	•	No informa	tion available		No information available -			-	
Inhalati	on:	No informa	tion available	No information available -					
	:								
	Aspiration I	nazard:		No inform	nation available	2.			
	È								
	Irritation ar	d corrosion						1	
		Ехро	osure time	Speci	es Evalua	ation	Method	Note	
Skin	on/irritation:	_		_	_		_	-	



Serious eye

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

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damage/irritation	-	-	-	-	–	
Sensitization						
Skin sensitization:	-					
Respiratory sensitization:	-					

Symptoms related to the physical, chemical and toxicological characteristics						
Oral exposure:	Harmful if swallowed.					
Dermal exposure:	No information available.					
Inhalation exposure:	No information available.					
Eye exposure:	No information available.					

Repeated dose toxicity (subacute, subchronic, chronic)

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



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Trading nar	me:	PARAROSANILINE, SOLUTION						
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Chronic inhalatic	on	No information available	No information available	No information available	No information available	No information available	on	-
	Specific	target organ toxic	ity – reneated ex	vnosure (STOT	RE)∙			
	эреспіс	target organ toxic	Specific effec	·	Target o	rgan		Note
Subacut	e oral	No inform	nation available		No information		_	Note
	e dermal		nation available		No information		_	
	e inhalati		nation available		No information		_	
Subchro			nation available		No information		_	
	nic derm		nation available		No information		-	
	nic inhali		nation available		No information		_	
Chronic			ation available		No information		-	
Chronic	dermal	No inform	ation available		No information	n available	_	
Chronic	inhalatio	n No inform	nation available		No information	n available	-	
	Carcinogenicity: Mutagenicity in vitro: Genotoxicity: Mutagenicity in vivo: Germ cell mutagenicity: Reproductive toxicity:			carcinoger Current in No inform Current in No inform No toxicity reproduct	udies on test animalic effects. vitro tests did notation available. vivo tests did notation available. y on reproductive ive organs.	ot indicate n	nutage	enic effects.
44.0	properti	es:		No inform	ation available.			
11.2.		tion on other haza						
11.2.1.	The sub compon disruptin Article regulation	ne disrupting propostance/mixture considered to the properties accused for Common (EU) 2017/210 for (EU) 2018/605 accused for (EU) 2018/605 accused for EU) 2018/605 accuse	loes not conta o have endocri ording to REAC ission Delegato 0 or Commissio	ne CH ed on				



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11.2.2.	Other informations:
	-

12.1 Toxicity							
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note	
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-	
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-	
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	No information available	-	
Other organisms	-	72 hours	-	-	-	-	
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note	
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-	
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 Persist	tence and degradability			
	3 ,			
Abioti	c 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	-



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				. a.g.c . = c					
Trading name:	PARAROSANILINE, SOLUTION								
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Soil	No information available	No information No	information						

Soil	No	information	available	No ir availa	nformation able	_	information -	
Bioc	legrada	tion						
% Degrada	ation	Time (days)		Method		Evaluation	Note
No informati available	on	No ir available	nformation	No ii	nformation able		information	
12.3 Bioa	ccumul	ative potentia	al					
Octa	anol-wa	ter partition o	coefficient (log Ko	w)			
Value	Cond	centration	рН	°C	Method	I	Evaluation	Note
	NI- :£	ormation			No informat	ion	No information	

Bioconcentration factor (BCF)					
Value	Species	Method	Evaluation	Note	
No information available	No information available	n No information available	No information available	No information available	

Chronic ecotoxicit	ty					
Value	Dose	Exposure time	Species	Method	Evaluation	Note
Chronic toxicity on fish	LC ₅₀	No information available	No information available	No information available	No information available	-
Chronic toxicity on crustacea (<i>Daphnia</i>)	EC ₅₀	No information available	No information available	No information available	No information available	-

12.4	Mobility in soil
	Known or predicted distribution in environmental compartments:
	No information available



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	Surf	ace tensio	n:					
	١	/alue	°C	Concentration	n Met	hod	Note	
	No No information available available		information	No information available	n No informat available	No information available		
	Ads	orption / o	desorption					
Transpo	ort	-	coefficient 's constant	log Kow	Evaporation rate	e Metl	nod	Note
Soil-wat	ter	No available	information	No information available	No information available	No inforr available	mation	-
Water-a	air	No available	information	No information available	No information available	No inforr available	mation	-
Soil-air		No available	information	No information available	No information available	No inforr available	mation	-
12.5.			and vPvB asses	ssment				
12.6.	End	ocrine disi	rupting properti	es				
	accc	ording to F	REACH Article 5	not contain compo 7(f) or Commission evels of 0.1% or hi	n Delegated regul			srupting properties or Commission
12.7.	Oth	er adverse	effects					
	No i	nformatio	n available					
			consideration	S				
13.1	W	aste treati	ment methods					
13.1.1.	Pr	oduct/Pac	kaging disposa	l:				
		bmit for cotection.	lisposal to the l	egal person autho	rized by the Minis	try of Enviro	nmental	and Nature



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	No information available	
13.1.3.	Waste treatment – relevar	nt information:
	No information available	
13.1.4.	Sewage disposal – relevar	nt information:
	Waste must not be dispos	sed of into the sewage system.
13.1.5.	Other disposal recommer	ndations:
	authorized by the ministry	oduct's remains into the sewage system. Submit the remains to the collectors y in charge. Do not dispose of the packaging into the sewage system. Submit ectors authorized by the ministry in charge. Do not dispose of in places where
13.1.6.	Relevant Community prov	visions:
	-	
SECTIO	N 14 TRANSPORT INFORM	ATION
	Transporting/shipment by r	oad (ADR)
UN num	ber:	Not subject to transport regulations
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	mentally hazardous:	-
Special	orecautions for user:	-
	Transporting/shipment by r	ail (RID)
UN num	ber:	Not subject to transport regulations
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	mentally hazardous:	-
Special	orecautions for user:	-
	Inland waterway transport (ADN)
UN num	nber:	Not subject to transport regulations
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-



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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 (ICA	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: -	

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



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	None				
15.2	Chemical safety assessmer	nt			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act			
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)				
	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);			

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



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16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classific	cation	1	Classification procedure		
_			-		
16.5.	Rele	evant H statements (numl	ber and full text)		
	H: 302 Harr		Harmful if swallowed.		
	350 May cause cancer.		May cause cancer.		
16.6.	Training advice:		-		
16.7.	<u> </u>		** "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:	NSE BUFFER				
Product code:	NSEP-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:	NSE BUI	FER		
	Chemical name:	-			
	Catalogue number:	NSEP-O	T-X**		
1.2.	Relevant identified us	es of the si	ubstance or mi	xture and uses advised against	
	Uses:		For use in cy	tochemical diagnostics.	
	Uses advised against:		Only the ide	ntified uses are advised.	
	Reason why uses advi	sed	device, regis	is intended for use only as an <i>in vitro</i> diagnostic medical tered at the Agency for Medicinal Products and Medical there is no reason to use it for other purposes	
1.3.	Details of the supplier	of the safe	ety data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska	59, Zagreb	
	Telephone number:		+385 1 24099	997	
	Fax no.:		+385 1 24040	039	
	e-mail of competent p	person:	msds@biogn	<u>ost.hr</u>	
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection a	nd Rescue	Directorate:	112	
	Medical information:			+385 1 2348 342	
	Medical Information:			1303 1 2340 342	

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or	Classification of the substance or mixture				
2.1.1.	Classification according to Regula	tion (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:	NSE BUFFER				
	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 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 4. First aid measures		
4.1.	Description of first aid measures	
	General notes:	-
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.
	Self-protection of the first aider:	Treat symptomatically.
4.2.	Most important symptoms and effects, both acute and delayed	
	FOILOWING INNAISTION.	cording to our findings, chemical, physical and toxicological properties of substance have not been entirely tested.
	FULLOWING SKIN CONTACT.	cording to our findings, chemical, physical and toxicological properties of substance have not been entirely tested.



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Trading name:	NSE 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 substance or mixture				
	Hazardous combustion products:	No information available			
5.3.	Advice for firefighters				
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.				
5.4.	Additional information				
	Remove sources of heat and ignition Do not contaminate the environm				

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personne				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and 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	
	-	

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



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SECTION 8. Exposur		al protec	tion			
8.1. Control para	meters				T	
Substance	CAS			al exposure limit ort term values	Biological limit values	
			ppm	mg/m³		
-	_		-	-	No information available	
1						
Substance - name:						
EC No: -	CAS No:	_				
DNEL	<u>.</u>					
			Industrial			
Route of	Acute		Acute	Chronic	Chronic	
exposure:	effect local	effe	ect systemic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	-	-		-	-	
Dermal	-	-		-	-	
Critical physical parar	neters: solubility, fl	ammabili	ty, corrosivity:	-		
			Consumer			
Route of	Acute		Acute	Chronic	Chronic	
exposure:	effect local	effe	ect systemic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	-	-		-	-	
Dermal	-			-	-	
PNEC						
Environmental protec	tion target		PNEC			
Fresh water				No information available		
Freshwater sediments				No information available		
Marine water				No information available		
Marine sediments				No information available		
Food chain				No information available		
Microorganisms in sewage treatment				No information available		
Soil (agricultural)				rmation available		
Air			No info	rmation 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 pr exposure:	event	No information available			
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to pre exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			
8.2.2.	Personal protection equip	ment				
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					
			otective gloves must be according to the EU Directive 2016/425/EEC and andard 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 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 of	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 prevent exposure:		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:	6.8 – 7.0	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density:	No information available	No information available
Relative vapour density:	No information available	No information available
 Particle characteristics:	No information available	No information available
Other information		

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

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



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

Repeated dose toxicity (subacute, subchronic, chronic)



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

	T	Nata	
	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:		NSE BUFF	ER	
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Chronic	inhalation	No informat	ion available	No information available	-			
	CMR effects (carcinogenicity,	, mutagenicity, r	eproductive toxicity)				
	Carcinogenic	ity:	Based on av	ased on available data, the classification criteria are not met.				
	Mutagenicity	in-vitro:	Based on av	ailable data, the classification criteri	a are not met.			
	Genotoxicity:		Based on available data, the classification criteria are not met.					
Mutagenicity in-vivo:		in-vivo:	Based on av	Based on available data, the classification criteria are not met.				
	Germ cell mutagenicity: Based on available data, the classification criteria are not met.							
	Reproductive	Reproductive toxicity: Based on available data, the classification criteria are not met.						
	Summary of	evaluation of th	e CMR propertie	es: -				
				PS: -				
11.2	Information o	on other hazard	s:	es: -				
11.2	Information of Endocrine dis	on other hazard	s: ties:	es: -				
	Information of Endocrine dis The substate contain contain contain according to Commission 2017/2100 of Endocrine contain conta	on other hazard	s: does not sidered to properties le 57(f) or ulation (EU) Regulation	es: -				
	Information of Endocrine dis The substate contain contain contain contain contain according to Commission 2017/2100 of (EU) 2018/66	on other hazard crupting propert nce/mixture nponents cons ine disrupting o REACH Articl Delegated regular Commission 05 at levels of	s: does not sidered to properties le 57(f) or ulation (EU) Regulation	PS: -				

SECTION 12. Ecological information

Toxicity 12.1.

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



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Trading name:		NSE BUFF	ER		
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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	-

D: 1		
RION	aaraa	dation
DIOU	cyrac	aation

% 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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	Value	Species		N	1ethod		Evaluation		Note	
		No availa	No information No informa available available		mation	ion No information available		No information available		ailable
	Chronic e	cotoxic	ity							
	Value		Dose	Exposure time	Spec	cies	Method	Evalua	tion	Note
Chroni	ic toxicity or	n fish	LC ₅₀	No information available	No informa availab		No information available	No inform available	nation	-
	Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No information available	No No ation information informa		No information available	No information available		_
12.4.	Mobility i	in soil								
	1/									
		·····		on in environ	mental co	mpart	ments:			
	No inforn	nation a		on in environi	mental co	mpart	ments:			
	No inform	nation a	available			mpart				
	No inform	nation a	evailable °C	Concentr		ompart	ments: Method			Note
	No inform	nation a ension: N on in	evailable °C		ation			able	-	Note
	No inform Surface to Value No informati	nation a ension: N on in	°C o oformation	Concentr No inform	ation		Method	able	-	Note
	No inform Surface to Value No informati	mation a ension: N on in	°C o oformation vailable	Concentr No inform	ation		Method	able	-	Note
Transp	No inform Surface to Value No informati available Adsorption	ension: Non in average A/D coe	°C o oformation vailable	Concentr No inform	ation I	No inf	Method		thod	Note
Transp Soil-wa	No inform Surface to Value No informati available Adsorption	on / des	°C lo nformation vailable orption efficient	Concentr No inform available	ation ation	No inf	Method ormation avail		thod	
	No inform Surface to Value No informati available Adsorption out the state of the	on / des A/D coe Henry's o	°C o oformation vailable orption efficient constant	Concentr No inform available log Kow	ation ation I	No info	Method ormation avail	Met No inform	thod	Note



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		i		

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
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.
1212	
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
10.1.1	
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:
	-
SECTION	N 14. Transport information



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



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

SECTION 16. Other information			
16.1. Indication of changes:			



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

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Exposure scenario resulting to Chemical safety assessment

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SECTI	ON 1: Identification of	the substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name:	NSE SUBSTRATE				
	Chemical name:	-				
	Catalogue number:	NAFA-OT-X	(**			
1.2	Relevant identified use	es 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:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier	of the safety	data shee	t		
	Supplier:	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone number					
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to Regulation (EC) No	o 1272/2008 (CLP)				
	Hazard class and category code:	Hazard statements*:				
	Flam. Liq. 2 H225					
	Acute Tox. 4 H302					
	Acute Tox. 4 H312					
	Acute Tox. 4	H332				
	STOT SE 1	H370				
2.1.2.	Additional information					
	-					
*For fu	or full text of Hazard- and EU Hazard-statements: see SECTION 16					
2.2	Label elements					



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	Product identification:	NSE SUBSTRATE		
	Identification number:	-		
	Authorization number:	-		
	Hazard pictograms:	GHS02 GHS07 GHS08		
	Signal word:	Danger		
	Hazard statements:	 H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H370 Causes damage to organs. 		
	Precautionary statements:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P403+P233 Store in a well-ventilated place. Keep container tightly closed.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	No known endocrine disrupting Results of PBT and vPvB as: PBT or a vPvB.			

SECTION 3. Composition/information on ingredients



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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	>50%	diethylene glycol	Acute Tox. 4; H302
67-56-1/ 200-659-6/ 603-001-00-X		>10% - <20%	methanol	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT SE 1; H370

ral notes: ving inhalation: ving skin contact: ving eye contact:	If the suggested first aid measures do not prove sufficient, seek medical attention. 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. Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain. 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. 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		
ving skin contact: ving eye contact:	ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen. Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain. 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. Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a		
ving eye contact:	water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain. 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. Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a		
	least 20 minutes. If the symptoms remain, immediately call in ophthalmologist. Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a		
ving ingestion:	, ,		
	quantities, transport the afflicted person to the hospital.		
rotection of the first aider:	-		
Most important symptoms and effects, both acute and delayed			
ving inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.		
ving skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.		
ving eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		
ving ingestion:	Danger of gastric perforation.		
١	ving skin contact:		



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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 substance or mixture				
	Hazardous combustion products: No information available				
5.3	Advice for firefighters	Advice for firefighters			
	Use a self-contained open-circuit o	compressed air breathing apparatus and fireproof clothing.			
5.4	Additional information				
	Remove sources of heat and ignition	on. Do not contaminate the environment with extinguishing media.			

SECTIO	ON 6. Accidental release measu	ires		
6.1	Personal precautions, protective	re equipment and emergency procedures		
6.1.1.	For non-emergency personnel			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	2. For emergency responders:			
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipmen (see Section 8).			
6.2	Environmental precautions:			
	Do not dispose of in sewage, or Protection and Rescue Directo	Irainage 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			



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See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTIO	ON 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat.		
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		-		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Th	noroughly wa	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incon	npatibilities			
	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 contain tightly closed.			
	Advices for storage equipment:	The storage must be made of hard material; floor must be resistant to chemicals. There must be no that directly leads into sewage system. Secure preventilation.			
	Further information on storage conditions:	Do not place the unused material in the storage and do not use empty containers for storing other chemicals. Do not store with incompatible mater (see Section 10).			
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

SECTION 8. Exposure controls/personal protection							
8.1	Control parameters						
	Substance	CAS No	'	exposure limit term values	Biological limit values		
			ppm	mg/m³	-		



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Trading na	ıme:					NSE SUBSTRATE						
Product co	ode:	NAFA-O	T-X**		Date o	of co	compilation: 21 Dec 2		ec 2022	Version:	2	
			1		ı		1					
-				-		-		-		No inf	ormation availab	ole
Substance r	name:	-						T				
EC No:		-	CAS No):	-							
DNEL												
					In	dust	trial					
Route of		Acι	ute	ļ A	Acute			Chro			Chronic	
exposure:		effect	local	effect	t systemi	С		effect l	ocal		effect systemic	
Oral		-		-			-			-		
Inhalation		-		-			-			-		
Dermal		-		-			-			-		
Critical phys	sical par	rameters: s	solubility,	flamma	bility, co	rrosi	vity:	-				
					Co	nsu	mer					
Route of		Acı	ute	A	Acute		Chronic			Chronic		
exposure:		effect	local	effec	t systemi	ic		effect l	ocal		effect systemic	
Oral		-		-			-			-		
Inhalation		-		-			-			-		
Dermal		-		-			-			-		
PNEC												
Environmen	ital prot	ection tar	get			PN	IEC					
Fresh water						no	inform	nation a	vailable			
Freshwater	sedime	nts				no	inform	nation a	vailable			
Marine wate	er					no information available						
Marine sedi	ments					no information available						
Food chain						no information available						
Microorgan	isms in	sewage tr	eatment			no information available						
Soil (agricul	tural)					no information available						
Air			no information available									
8.2	Exposi	ure contro	ls									
8.2.1.	Appro	priate eng	ineering	controls								
		Substance/mixture related measures to prevent exposure during identified uses:				pro		e equipr			ooms. Use persor rink or smoke in	



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	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	kposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.		
8.2.2.	Personal protection equipment				
8.2.2.1.	Eye and face protection:	levels	glasses that stick to face (EN 166) or visor in case of lower of concentration in air; protective gas mask that covers the face in case of higher levels of concentration in air.		
8.2.2.2.	Skin protection				
	Hand protection:	Protective 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 foo			
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 info	ormation available		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:	Use mo	odern equipment.		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.		
	Technical measures to prevent exposure:	See Se	ction 6		

SECTI	ION 9. Physical and chemical prope	erties				
9.1	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	Visual inspection			
	Colour:	colourless	Visual inspection			
	Odour/odour threshold:	ethanol like/no information available	No information available			
	Melting point / freezing point:	No information available	No information available			
	Boiling point or initial boiling point and boiling range:	No information available	No information available			



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	-		
9.2	Other information		
	Particle characteristics:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
	Solubility:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	рН:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Flash point:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flammability:	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 (room temperature).			
10.3	Possibility of hazardous reactions:	No dangerous reactions known.			
10.4	Conditions to avoid:	No information available			
10.5	Incompatible materials:	No information available			
10.6	Hazardous decomposition products:	No information available			

SECTION 11. To	SECTION 11. Toxicological information								
11.1 Informa	11.1 Information on toxicological effects								
Acute to	oxicity:								
Route of exposure: Dose LD ₅₀ /LC ₅₀ or ATE _{mix} Exposure time					Results				
Oral:	-	No information available	-	No information available	-				
Dermal:	-	No information available	-	No information available	-				
Inhalation:	-	No information available	-	No information available	-				



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			ate or compile			
Specific	target organ toxicit	v – single evno	osura (STOT SE	١٠		
Specific		ific effects	DSUITE (STOT SE	Target orgar	,	Note
Oral:	No information		No inf	formation availa		
Dermal:	No information			ormation availa		
Inhalation:	No information	avaliable	INO INT	ormation availa	able -	
Aspiration	on hazard:	N	lo information	available.		
Irritation	n and corrosion					
	Exposur	e time	Species	Evaluation	Method	Note
Skin corrosion/irritation	on:	_		_	-	-
Serious eye damage/irritation	- 1	-		_	_	-
Sensitiza	ation					
Skin sensitizatior	n: -					
Respiratory sensi	tization: -					
Ē						
Sympto	ms related to the ph	nysical, chemic	al and toxicolo	gical characteri	stics	
Oral exposure:	No informati	on available.				
Dermal exposure	: No informati	on available.				
Inhalation expos	ure: No informati	on available.				
Eye exposure:	No informati	on available.				
Repeate	ed dose toxicity (sub	acute, subchro	onic, chronic)			
	Dose	Exposure time	Species	Method	Evaluatio	on Note
Subacute oral	No information available	No information available	No information available	No information available	No informat available	
Subacute dermal	No information available	No information available	No information available	No information available	No informat available	
Subacute inhalation	No information available	No information available	No information available	No information available	No informat available	



Mutagenicity in vitro:

Mutagenicity in vivo:

Germ cell mutagenicity:

Genotoxicity:

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roduct code.	NAFA-OT-A	Da	ite oi compilat	.1011.	ZIDec	. 2022	ve	ision.	
Subchronic oral	No information available	No information available	No information available	No inforn availa	nation ble	No informatio available	n	-	
Subchronic dermal	No information available	No information available	No information available	No inforn availa	nation ble	No informatio available	n	-	
Subchronic nhalation	No information available	No information available	No information available	No inforn availa	nation ble	No informatio available	n	-	
Chronic oral	No information available	No information available	No information available	No inforn availa	nation ble	No informatio available	n	-	
Chronic dermal	No information available	No information available	No information available	No inforn availa	nation ble	No informatio available	n	-	
Chronic nhalation	No information available	No information available	No information available	No inforn availa	nation ble	No informatio available	n	-	
**									
Specific	target organ toxicit	y – repeated ex	xposure (STOT F	RE):		-			
		Specific effec	ts	•	Target or	gan		Note	
Subacute oral	No informa	ation available		No information available		-			
Subacute dermal	No informa	ation available	ole No information available		available	-			
Subacute inhalat	on No informa	ation available		No information available		-			
Subchronic oral	No informa	ation available		No info	ormation	available	-		
Subchronic derm	al No informa	ation available		No information available		-			
Subchronic inhal	ation No informa	ation available		No information available		-			
Chronic oral	No informa	ation available		No information available		-			
Chronic dermal	No informa	ation available		No information available		-			
Chronic inhalatio	n No informa	ation available		No info	ormation	available	-		
CMR eff	ects (carcinogenicit	v: mutagenicity	r: reproductive t	oxicity)					
Carcino		,,atagement	Current stu	idies on		nals did not	indic	cate	
	ects (carcinogenicit	y; mutagenicity		idies on		nals did not	indic	са	te

Current in vitro tests did not indicate mutagenic effects.

Current in vivo tests did not indicate mutagenic effects.

No information available.

No information available.



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	Reproductive toxicity:	No toxicity on reproductive organs was determined in reproductive organs.
	Summary of evaluation of the CMR properties:	No information available.
11.2.	Information on other hazards:	
11.2.1.	Endocrine disrupting properties:	
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.	
11.2.2.	Other informations:	
	-	

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



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Trading nan	ne:				NSE SU	JBST	ΓRΑΤΕ	1 0	ige 12 01 17	
Product cod		NAFA-OT-X**		D	Date of compilation:		21 Dec	: 2022	Version:	2
Algae/aquatic plants		IC ₅₀	72 hours		No information		information infor		-	1
Other organis	sms	-	-	_		ava -	mable	available -	-	
			1				!			
12.2. Pers	istence a	nd degradal	oility							
Abic	otic degra	ndation								
	De	gradation h	alf-lives		Method		Evaluation		Note	
Marine water	· No ir	nformation a	ıvailable		information lable		information ilable	-		
Fresh water	No ir	nformation a	vailable		information lable		information ilable	-		
Air	No ir	nformation a	ıvailable		information lable		information ilable	-		
Soil	No ir	nformation a	ıvailable		information lable	No information available		_		
Biod	legradati	on								
% Degrada	ntion	Time (d	days)		Method		Evaluation		Note	
No information		No in available	formation		information lable		information ilable	-		
12.3. Bioa	ccumulat	tive potentia	I							
		er partition c		log K	ow)					
Value	Conce	entration	рН	°C	Method		Evalua	tion	Note	
-	No info			-	No information	on	No informa	ation -		
Bioc	oncentra	tion factor (BCF)							
Value		Speci	es		Method		Evaluatio	n	Note	
No information		o in	formation		nformation lable	No information available			information lable	



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	Chr	onic ecoto	xicity								
	Va	lue	Dose	Exposure time	Sp	ecies	Meth	nod	Eva	luation	Note
Chronic	toxic	city on fish	LC ₅₀	No information available	No infor avail	mation able	No informa availab		No infor avail	mation able	-
Chronic crustac		city on aphnia)	EC ₅₀	No information available	No infor avail	mation able	No informa availab		No infor avail	mation able	-
12.4.	Mol	oility in soi	l								
	:		dicted distributi	on in environn	nental	compart	ments:				
	No	informatio	n available								
	Surf	ace tensio	n:								
	,	Value	°C	Concentratio		on Method			Note		
	No information available		No information available	No information available		No information available			-		
	A -1-										
Transpo		•	coefficient 's constant	log Kow		Evaporation rate			Method		Note
Soil-water		No available	information	No information available		No information available		No information available		ition	-
Water-air		No available	information	No informati available		No information available		No information available			-
Soil-air No available		information	No informati available				No information available		ition	-	
12.5.	Resi	ults of PBT	and vPvB asses	ssment							
	No	informatio	n available								
	1										



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	according to REACH Article	es not contain components considered to have endocrine disrupting properties e 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission at levels of 0.1% or higher.		
12.7.	Other adverse effects			
	No information available			
SECTIO	N 13. Disposal considerati	ions		
13.1	Waste treatment method	ds		
13.1.1.	Product/Packaging dispo	osal:		
	Submit for disposal to the Protection.	ne legal person authorized by the Ministry of Environmental and Nature		
13.1.2.	Waste codes/waste design	gnations according to Law:		
	No information available			
13.1.3.	Waste treatment – releva	ant information:		
	No information available			
13.1.4.	Sewage disposal – releva	ant information:		
	Waste must not be dispo	osed of into the sewage system.		
13.1.5.	Other disposal recomme	endations:		
	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 pro	ovisions:		
	-			
SECTIO	N 14. Transport informati	on		
	Transporting/shipment by	road (ADR)		
UN nun	nber:	1992		
UN pro	oer shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)		
Transpo	ort hazard class(es):	3 (6.1)		
Packing	group:	III		



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Trading name:	NSE SUBSTRATE				
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Environmentally hazardous: Special precautions for user:	_
Transporting/shipment by rail (R	
UN number:	
	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC.	AO-TI/IATA-DGR)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
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 restrictions of use					
	Authorizations:	-				
	Restrictions:	-				
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);				
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)					
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act				
15.2	Chemical safety assessme	ent				
	None					

SECTION 16. Other information	
16.1 Indication of changes:	-



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			·	<u> </u>	
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			ADD A LLCC			
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.		literature references and rce of data:	-			
16.4.		ssification and procedure 2/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)			
Classific	catior	1	Classification procedure			
_			-			
16.5.	Rele	evant H statements (numb	per and full text)			
		225	Highly flammable liquid and vapour.			
		301	Toxic if swallowed.			
		302	Harmful if swallowed.			
		311	Toxic in contact with skin.			
	H:	312	Harmful in contact with skin.			
		331	Toxic if inhaled.			
		332	Harmful if inhaled.			
	370		Causes damage to organs.			
16.6.	5.6. Training advice:		-			
	6.7. Further information:		** "X" in the product code marks different volumes (different packagings of the product)			
16.7.			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:	NSE INHIBITOR				
Product code:	NAFO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

		the substa	nce/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	NSE INF	NSE INHIBITOR		
	Chemical name:	-	-		
	Catalogue number:	NAFO-C	NAFO-OT-X**		
1.2.	Relevant identified us	es of the s	ubstance or mi	xture and uses advised against	
	Uses:		For use in cy	tochemical diagnostics.	
	Uses advised against:		Only the ide	ntified uses are advised.	
	Reason why uses 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 p	e-mail of competent person:		msds@biognost.hr	
	National contact:		-		
1.4.	Emergency telephone	Emergency telephone number			
	National Protection ar	nd Rescue	Directorate:	112	
	Medical information:				
	Medical information:			+385 1 2348 342	

SECTIO	SECTION 2. Hazards identification			
2.1.	Classification of the substance or mixture			
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and category	v 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 Se	ction 16	
2.2.	Label elements			
	Product identification:	NSE INHIBITO	R	
	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. Co	SECTION 3. Composition/information on ingredients			
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
7681-49-4/ 231-667-8/ 009-004-00-7	-	<3 %	sodium fluoride	Acute Tox. 3; H301 Eye Irr. 2; H319 Skin Irr. 2; H315 EUH032

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 aide	er: Treat symptomatically.		
4.2.	Most important symptoms and effects, both acute and delayed			
	FOILOWING INNAISTION.	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.		



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	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 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 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 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 Sec	tion 8).		
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material for containme	ent 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.	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:	-

8.1. Cont	rol para	meters						
Substance					al exposure limit ort term values	Biological limit values		
					ppm	mg/m³		
		-	-	No information available				
Substance name:	-							
EC No:	_		CAS No:	-				
DNEL								
					Industrial			
Route of		A	Acute	Д	cute	Chronic	Chronic	
exposure:		effe	ect local	effect	systemic	effect local	effect systemic	
Oral				-	-			
Inhalation					-	-		
Dermal			-	-				
Critical physic	al parar	meters: s	solubility, fla	ımmability,	corrosivity:	-		
		1			Consumer			
Route of			Acute		cute	Chronic	Chronic	
exposure:		effe	ect local	effect	systemic	effect local	effect systemic	
Oral		-		-		-	-	
Inhalation		-		-		-	-	
Dermal		-		-		-	-	
PNEC								
Environmenta	l proted	ction tar	get		PNEC			
Fresh water				No information available				
Freshwater sediments				No information available				
Marine water						rmation available		
Marine sedim	ents					No information available		
Food chain					No info	No information available		
Microorganisr	ns in se	wage tr	eatment		No info	No information available		
Soil (agricultural)			No info	No information available				



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Air			No information available		
8.2.	Exposure controls				
8.2.1.	Engineering measures				
	Substance/mixture relate measures to prevent exp during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to preserve:	revent	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to pr exposure:				
8.2.2.	Personal protection equi	n equipment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	. Skin protection				
			ctive gloves must be according to the EU Directive 2016/425/EEC and ard EN 374.		
	Hand protection:		Glove material: nitrile rubber		
			Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:	Wear antistatic clothing made of natural fibers (such as cotton) with los sleeves (EN 13034), and shoes that cover the entire foot (EN 10335).			
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	formation available		
8.2.3.	Environmental exposure	controls			
	Substance/mixture relate measures to prevent exp		See Section 6		
	Structural measures to prevent exposure:		Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to prexposure:	event	See Section 6		

SECTION 9. Physical and chemical properties



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	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			

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



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Trading name:	NSE INHIBITOR				
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Acute toxic	city:				
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral exposure:	No information available	_	LD ₅₀	_	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	_	-
Specific tar	rget organ toxicity – si	inale exposure	(STOT SE):		
- I - I	Specific		Target organ		Note
Oral exposure:	No information		No information available	_	
Dermal exposure:	No information	available	No information available	n _	
Inhalation exposure	: No information	available	No information available	-	
			araas.c		
Respiratory	y irritation:	No inf	ormation available		
Respiratory	y irritation:	No inf	1		
	y irritation: nd corrosion	No inf	1		
		No inf	1	Method	Note
	nd corrosion		ormation available	Method -	Note -
Irritation a	nd corrosion	Species	ormation available	Method -	
Irritation and Skin irritation:	nd corrosion Exposure time	Species	ormation available Evaluation	-	-
Irritation and Skin irritation:	nd corrosion Exposure time	Species	ormation available Evaluation	-	-
Irritation and Skin irritation: Eye irritation:	nd corrosion Exposure time	Species - -	ormation available Evaluation	-	-
Irritation and Skin irritation: Eye irritation: Sensitization	nd corrosion Exposure time	Species - -	ormation available Evaluation	-	-
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	nd corrosion Exposure time No information avail	Species lable	ormation available Evaluation	-	-
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms	nd corrosion Exposure time No information avail	Species lable lable	Evaluation	-	-
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	nd corrosion Exposure time No information avail	Species lable lable al, chemical an	Evaluation	-	-
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	nd corrosion Exposure time No information avail No information avail related to the physica No information avail No information avail	Species lable lable al, chemical an vailable vailable	Evaluation	-	-



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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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	c inhalation	No informat	tion available	No information available	-
	CMR effects (carcinogenicity	, mutagenicity, r	eproductive toxicity)	
	Carcinogenici	ity:	Based on av	ailable data, the classification criteria	a are not met.
	Mutagenicity	in-vitro:	Based on av	ailable data, the classification criteria	a are not met.
	Genotoxicity:		Based on av	ailable data, the classification criteria	a are not met.
	Mutagenicity	in-vivo:	Based on av	ailable data, the classification criteria	a are not met.
	Germ cell mu	tagenicity:	Based on av	ailable data, the classification criteria	a are not met.
	Reproductive	toxicity:	Based on av	ailable data, the classification criteria	a are not met.
	Summary or C	evaluation of th	e CMR propertie	PS: -	
110				PS: -	
11.2 11.2.1.	Information c	on other hazard	ls:	·S: -	
•	Information of Endocrine dis The substate contain compared according to Commission 2017/2100 of (EU) 2018/60	on other hazard	does not sidered to properties le 57(f) or ulation (EU) Regulation	·S: -	
	Information of Endocrine dis The substa contain comhave endocraccording to Commission 2017/2100 o	on other hazard crupting proper nce/mixture nponents con ine disrupting o REACH Artic Delegated region of Commission of at levels of	does not sidered to properties le 57(f) or ulation (EU) Regulation	······································	

SECTION 12. Ecological information

Toxicity 12.1.

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



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

12.2. Persistence and degradability

Abiotic degradation

	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	1
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

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

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

12.3. Bioaccumulative potential

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

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

Bioconcentration factor (BCF)



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	Value Species		Species	Me	ethod	Evaluation	Note		
No information available		No avai	informati lable	on No inform available			No information available		ilable
	Chronic	ecotoxi	city						
	Value		Dose	Exposure time	Species	Method	Evaluati	ion	Note
Chroni	ic toxicity (on fish	LC ₅₀	No No information in	No information available	i i	No information available		-
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No information available	No information available	No information	No information available		-	
12.4	N.A I- 1114	,							
	Mobility in soil								
12.4.		·	cted distributi	on in environm	ental compart	tments:			
12.4.	Known	or predi		on in environm	ental compart	tments:			
12.4.	Known o	or predi rmation	available	on in environm	ental compart	tments:			
12.4.	Known on the No info	or predi rmation tension	available						Note
12.4.	Known o	or predi rmation tension ie	available :	Concentrat No informat available	ion	Method formation avail	able		Note
Transp	No info Surface Valu No informa available	or predi rmation tension ie e tion / de	available :	Concentrat	ion No inf	Method formation avail	able	-	Note
	No informa available Adsorpt	or predi rmation tension ie ition i e i	available :	Concentrat No informat available	ion No inf	Method formation avail ration rate		- nod	
Transp	No informal available Adsorpt ater Adsorpt No	or predi rmation tension ie ition / de A/D co Henry's	available C No information available esorption pefficient s constant	Concentrate No informate available log Kow	ion No inf Evapo No inform available	Method formation avail ration rate	Meth No informa	- nod ation	Note



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		·			

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



SAFETY DATA SHEET

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

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UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	ID)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (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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Further information:	-

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

SECTION 16. Other information		
16.1. Indication of changes:		



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16.2.	Abbreviations and acronyms:		ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:		-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)					
Classification			Classification procedure			
_	-		-			
16.5.	Relev	Relevant H statements (number and full text)				
	301 To		Toxic if swallowed.			
	H: 3	315	Causes skin irritation.			
		319	Causes serious eye irritation.			
16.6.	Traini	ing advice:	-			
	t		** "X" in the product code marks different volumes (different packagings of the product)			
16.7.	Furth	er information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

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Exposure scenario resulting to Chemical safety assessment

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