

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)



SAFETY DATA SHEET

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

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

SECTI	ON 1. Identification of	the substa	nce/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	SODIUM	1 NITRITE, SOLU	JTION	
	Chemical name:	-			
	Catalogue number:	NAN-O	AN-OT-X**		
1.2.	Relevant identified uses of the substance or mixture and uses advised against			xture and uses advised against	
	Uses:		For use in cyt	tochemical diagnostics.	
	Uses advised against:		Only the ider	ntified uses are advised.	
	Reason why uses advi	sed	The product is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and I Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	of the safe	ety data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska	ska 59, Zagreb	
	Telephone number:		+385 1 24099	97	
	Fax no.:		+385 1 24040	39	
	e-mail of competent p	erson:	msds@biogno	<u>ost.hr</u>	
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection ar	nd Rescue	Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and category code: Hazard statements*:					
	Not identified as hazardous substance					
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-st	atements: see S	Section 16			
2.2.	Label elements					
	Product identification:	SODIUM NIT	RITE, 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. 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)			
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			

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	
	Following inhalation:	ccording to our findings, chemical, physical and toxicological properties 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 immedia	te medical attention and special treatment needed
	-	

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

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

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.					
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).			



Soil (agricultural)

SAFETY DATA SHEET

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						r age 5 or 10	
Trading name:			sc	DIUM NI	TRITE, SOLUTIO	ON	
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Recomme Industrial		ecific solutio	ns:	-			
SECTION 8. Expos	ure contr	ols/persona	al protection	1			
8.1. Control pa	rameters						
Substance		CAS I		•	l exposure limit rt term values	Biological limit values	
				ppm	mg/m³		
-		-		-	-	No information available	
Substance EC No: -		CAS No:	-				
DNEL		1					
			I	ndustrial			
Route of	,	Acute	Acı	ute	Chronic	Chronic	
exposure:	effe	ect local	effect s	ystemic	effect local	effect systemic	
Oral	-		-		-	-	
Inhalation	-		-		-	-	
Dermal	-	-				-	
Critical physical par	ameters:	solubility, fla		<u> </u>	-		
				onsumer		T	
Route of exposure:		Acute ect local	effect s	ute ystemic	Chronic effect local	Chronic effect systemic	
Oral	-		-		-	-	
Inhalation	-		-		-	-	
Dermal	-		-			-	
PNEC							
Environmental prot	ection tar	get		PNEC			
Fresh water					rmation available		
Freshwater sedime	nts				rmation available		
Marine water					rmation available		
Marine sediments					rmation available		
Food chain Micrograpisms in	-				rmation available		
Mucroorganisms in	COMPAGE tr	raatmant		No information available			

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 expeduring 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 presposure:	revent	No information available				
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal protection equi	pment					
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 1 visor.					
8.2.2.2.	Skin protection						
8.2.2.			ective gloves must be according to the EU Directive 2016/425/EEC and dard 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 as (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN () used when concentration levels exceed GVI.				
8.2.2.4.	Thermal hazards:	No inf	formation available				
8.2.3.	Environmental exposure	controls					
	Substance/mixture relate measures to prevent exp		See Section 6				
	Structural measures to prescribe exposure:	revent	Use modern equipment.				
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.				
	Technical measures to 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
Lower and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
рН:	No information available	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density:	No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available

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. Toxic	ological i	nformation
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11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008



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Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral exposure:	No information available	_	LD ₅₀	_	_
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	-	-
Specific tard	get organ toxicity – si	nale exposure	(STOT SE):		
<u> </u>	Specific		Target organ		Note
Oral exposure:	No information		No information available	_	
Dermal exposure:	No information	available	No information available	-	
			No information	-	
Inhalation exposure: Respiratory	irritation:		available ormation available	-	
•	irritation: d corrosion	No info	available ormation available		
Respiratory Irritation an	irritation:	No info	available ormation available Evaluation	Method	Note
Respiratory Irritation an Skin irritation:	irritation: d corrosion Exposure time	No info	available ormation available Evaluation -	Method	Note
Respiratory Irritation an	irritation: d corrosion	No info	available ormation available Evaluation	Method	Note
Respiratory Irritation an Skin irritation:	d corrosion Exposure time -	No info	available ormation available Evaluation -	Method	Note
Respiratory Irritation an Skin irritation: Eye irritation:	d corrosion Exposure time -	Species -	available ormation available Evaluation -	Method	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitizatio	irritation: d corrosion Exposure time	Species able	available ormation available Evaluation -	Method	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	irritation: d corrosion Exposure time - - No information avail	Species able	available ormation available Evaluation -	Method 	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms	irritation: d corrosion Exposure time - - No information avail	Species able able	available Evaluation	Method 	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	irritation: d corrosion Exposure time No information avail No information avail	Species able able al, chemical and	available Evaluation	Method 	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	irritation: d corrosion Exposure time No information avail No information avail related to the physica No information av	Species able able al, chemical and vailable vailable	available Evaluation	Method 	Note



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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 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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CHIOHIC	c inhalation	No informa	ition available	No information available	-
	CMR effects ((carcinogenicity	y, mutagenicity, r	eproductive toxicity)	
	Carcinogenic	ity:	Based on av	ailable data, the classification criter	ria are not met.
	Mutagenicity	in-vitro:	Based on av	ailable data, the classification criter	ria are not met.
	Genotoxicity:		Based on av	ailable data, the classification criter	ria are not met.
	Mutagenicity	in-vivo:	Based on av	ailable data, the classification criter	ria are not met.
	Germ cell mu	ıtagenicity:	Based on av	ailable data, the classification criter	ria are not met.
	Reproductive	toxicity:	Based on av	ailable data, the classification criter	ria are not met.
	Summary of 6	evaluation of ti	he CMR propertie	· -	
	Summary of 6	evaluation of th	ne CMR propertie	25: -	
11.2		on other hazard		PS: -	
11.2 11.2.1.	Information c		ds:	PS: -	
	Information of Endocrine dis The substance components endocrine according to Commission 2017/2100 o	on other hazard	ds: rties: s not contain to have properties cle 57(f) or ulation (EU) Regulation	PS: -	
	Information of Endocrine distribution of Endocrine components endocrine according to Commission 2017/2100 of (EU) 2018/60	on other hazard srupting prope e/mixture does considered disrupting o REACH Artic Delegated reg or Commission 05 at levels	ds: rties: s not contain to have properties cle 57(f) or ulation (EU) Regulation	PS: -	

SECTION 12. Ecologi	ical informa	tion				
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. Pers	istence and degradability			
Abio	otic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

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

Pa	rtition coefficient: n-oc	tanol/wa	iter (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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V	alue		Species	Me	ethod	Evaluation		Note	ı
No info	rmation e	No avail	informati lable	on No inform available	ation	No information available	No informa	ation av	ailable
	Chronic e	ecotoxi	city						
	Value		Dose	Exposure time	Species	Method	Evaluati	ion	Note
Chronic	toxicity o	n fish	LC ₅₀	No information available	No information available	No information available	No informa	ation	-
	toxicity o		EC ₅₀	No information available	No information available	No information available	No informa	ation	-
	KIIOWIIO	n preun	ctea aistributi	on in environm	ental compart	tments:			
	No infor	mation	available	on in environm	ental compart	tments:			
		mation ension:	available	Concentra	I	Method			Note
	No infor	mation ension:	available		tion		able	_	Note
	No informations No information No informations No informations No information No inform	mation ension:	°C No nformation	Concentra No informat	tion	Method	able	-	Note
	No informations No informations No informations No informations of the control of	mation ension:	°C No nformation available	Concentra No informat	tion	Method	able	_	Note
Transpo	No information available	mation tension: ion i	°C No nformation available	Concentra No informat	tion No inf	Method	able		Note
	No information available Adsorption to the Notion and the Notion available	mation tension: ion i	°C No nformation available sorption pefficient	Concentra No informat available	tion No int	Method formation avail ration rate		nod	
Transpo Soil-wat	No information available Adsorption ter No available	on / de A/D co	°C No nformation available sorption pefficient constant	Concentra No informat available log Kow	tion No inform available	Method formation avail	Meth No informa	nod	Note



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12.5.	Results of PBT and vPvB assessment
	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
	To information available
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
10.11	Waste discurrent mediads
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:
	-



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SECTION 14. Transport information	
Transporting/shipment by roa	ad (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	I (RID)
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 (AI	ON)
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	a (IMDG)
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	(ICAO-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: -	

SECTIO	N 15. Regulatory informati	on			
15.1.	Safety, health and environm	nental regulations/legislation specific for the substance or mixture			
	EU regulations				
	Authorization and/or restric	tions 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 guideline)	7/13/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 assessment				
	None				

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



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

amended by Regulation (EU) No. 1907/2006

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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 used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	cation	Classification procedure			
-		-			
16.5.	Relevant H statements (numb	er and full text)			
	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.			

Δ	N	N		v	
А	N	IN	Е	А	Ξ

Exposure scenario resulting to Chemical safety assessment

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

SECTI	ON 1: Identification of	the substance	e/mixture	e and of the company/undertaking		
1.1	Product identifier					
	Trading name:	PARAROSA	NILINE, SO	DLUTION		
	Chemical name:	-	-			
	Catalogue number:	PARA-OT-X	PARA-OT-X**			
1.2	Relevant identified uses of the substance or mixture and uses advised against			nixture and uses advised against		
	Uses:		For use	in cytochemical diagnostics.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advi	sed against:	The product is intended for use only as an <i>in vitro</i> against: medical device, registered at the Agency for Medical Devices and there is no reason to use it for			
1.3	Details of the supplier	of the safety	data shee	t		
	Supplier:		BioGnost Ltd.			
	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 number					
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	FION 2. Hazards identification					
2.1	Classification of the substance	or mixture				
2.1.1	Classification according to Reg	ulation (EC) No 12	272/2008 (CLP)			
	Hazard class and catego	ory code:		Hazard statements*:		
	Acute Tox. 4		H302			
	Carc. 1B		H350			
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-	statements: see S	ECTION 16			
2.2	Label elements					
	Product identification:	PARAROSANILI	NE, SOLUTION			
	Identification number: -					
	Authorization number:	-				



SAFETY DATA SHEET

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

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

	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	
	Endocrine Disrupting Prope	erties:
	No known endocrine disrupti	ng properties
	Results of PBT and vPvB ass PBT or a vPvB.	sessment: According to the results of its assessment, this substance is not a

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

SECTI	SECTION 5. Firefighting measures					
5.1	Extinguishing media	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 su	ubstance or mixture				
	Hazardous combustion products: No information available					
5.3	Advice for firefighters					
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.					
5.4	Additional information					



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Trading name:		PARAROSANILINE, SOLUTION					
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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			
	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 case of inadequate ventilation use adequate airways protective equipment (see Section 8).			
6.2	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3	Methods and material for con-	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and involved materials with water.		
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information	on safe handling.		
		on personal protection equipment.		
	See Section 13 for disposal inf	ormation.		

SECTIO	CTION 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Use in well ventilated storage rooms. Keep away from sources of ignition and heat.			
	Measures to prevent aerosol and dust 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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	Other measures:	-		
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. The	noroughly wash hands after work and before eating.		
7.2	Conditions for safe storage, including any incor	mpatibilities		
	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 container 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:	-		

8.1 Control p	arameters							
Substance	e	CAS	No	-		exposure limit term values		Biological limit values
				ppm mg/m³				
-		-		-		-	N	o information available
Substance name:	-							
EC No:	-	CAS No:	_					
DNEL								
				Indus	trial			
Route of	Acı	ite	Acut	:e		Chronic		Chronic
exposure:	effect	local	effect sys	stemic		effect local		effect systemic
Oral	-	-			1		-	
Inhalation	-	-			1	<u> </u>	-	



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Trading name:	PARAROSANILINE, SOLUTION							
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	nysicai pai	ameters: solubility	, flammab	ility, co	rrosivity: -		
				Co	nsumer		
Route of exposure		Acute Acute effect local effect system			Chronic effect lo	Chronic effect systemic	
Oral		-	-		-		-
Inhalatio	n	-	-		-		-
Dermal		-	-		-		-
PNEC							
Environm	nental prot	ection target			PNEC		
Fresh wa	ter				no information ava	ilable	
Freshwat	er sedimer	nts			no information ava	ilable	
Marine w	/ater				no information ava	ilable	
Marine se	ediments				no information ava	ilable	
Food cha	ain				no information ava	ilable	
Microorg	janisms in	sewage treatment			no information ava	ilable	
Soil (agri	cultural)				no information available		
Air					no information available		
8.2	Exposu	ure controls					
8.2 8.2.1.		ure controls priate engineering	controls				
	Appro		d measur		·		ited rooms. Use personal eat, drink or smoke in the
	Appro Substa preven	priate engineering ince/mixture relate it exposure during ural measures to pi	d measur identified		protective equipme	ent. Do not	•
	Substa preven Structu exposu	priate engineering ince/mixture relate it exposure during ural measures to pr ure: isational measures	d measur identified revent	l uses:	protective equipme workspace. In accordance with	Section 7.	eat, drink or smoke in the
	Substa preven Structu exposu Organi exposu	priate engineering ince/mixture relate it exposure during ural measures to pr ure: isational measures	d measur identified revent to prever	l uses:	protective equipme workspace. In accordance with Organization of wo influence during workspace.	Section 7. ork in order ork process exspace vent in air belo	to reduce other worker's cilation in order to keep ow permitted levels. Secure
	Substa preven Structu exposu Organi exposu	priate engineering ince/mixture relate it exposure during ural measures to pr ure: isational measures ure:	d measur identified revent to prever event exp	l uses:	protective equipme workspace. In accordance with Organization of wo influence during workspace Secure proper work concentration level	Section 7. ork in order ork process exspace vent in air belo	to reduce other worker's cilation in order to keep ow permitted levels. Secure
8.2.1.	Substa preven Structu exposu Organi exposu Techni	priate engineering Ince/mixture relate It exposure during Irral measures to pr Irre: Isational measures Irre: Irre	d measur identified revent to prever event exp	osure:	protective equipment workspace. In accordance with Organization of workspace workspac	Section 7. ork in order ork process expace vent is in air belowers and slage face (EN 16 ir; protectiv	to reduce other worker's cilation in order to keep ow permitted levels. Secure howering. 6) or visor in case of lower e gas mask that covers the
8.2.1.	Substa prevent Structure exposure of the control of	priate engineering Ince/mixture relate It exposure during Irral measures to proceed Irral measures to procede measures Irral measures to procede measures Irral procede measures	d measur identified revent to prever event exp	osure:	protective equipment workspace. In accordance with Organization of workspace workspac	Section 7. ork in order ork process expace vent is in air belowers and slage face (EN 16 ir; protectiv	to reduce other worker's cilation in order to keep ow permitted levels. Secure howering. 6) or visor in case of lower e gas mask that covers the



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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			

9.1	Information on basic physical and o	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
	Lower and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	pH:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available



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

SECTIO	SECTION 10. Stability and reactivity					
10.1	Reactivity:	See subsections 10.3 through 10.5.				
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (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	xicological info	rmation					
11.1 Informati	tion on toxicolog	gical effects					
Acute to	oxicity:						
Route of exposure:	Method	Species	Dose	e LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure	time	Results
Oral:	-	No information available		-	No informati available	on	-
Dermal:	-	No information available		-	No informati available	on	-
Inhalation:	-	No information available		-	No information available		-
Specific		cicity – single expo	sure (ST	OT SE): Target	organ		Note
Oral:	No informat	ion available	I	No information available -			
Dermal:	No informat	ion available	l	No information available -		-	
Inhalation:	No informat	ion available	No information available -				
Aspiration	on hazard:	No	o informa	ation available.			
Irritation	and corrosion						
	Ехрс	sure time	Specie	s Evaluat	ion Metho	d	Note
Skin corrosion/irritatio	on:	-		-	-	–	



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Serious eye damage/irritation	-	-	-	-	-			
Consitization								
Sensitization								
Skin sensitization:	-							
Respiratory sensitization	n: -							
Symptoms rela	Symptoms related to the physical, chemical and toxicological characteristics							
Oral exposure:	Harmful if swallowed.							

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 name:		PARAROSANILINE, S	SOLUTION		
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Chronic inhalation		information lable	No information available	No information available	No information available	No information available	on	-
Sne	ecific targe	t organ toxicit	v – reneated e	xposure (STOT	RE):			
	cerrie targe	t organ toxicit	Specific effection		Target o	rgan		Note
Subacute or		No informa	tion available		No information		_	
Subacute de			ition available		No information		-	
Subacute in	halation	No informa	ition available		No information		-	
Subchronic	oral	No informa	tion available		No information	n available	-	
Subchronic	dermal	No informa	ntion available		No information	n available	-	
Subchronic	inhalation	No informa	ntion available		No information	n available	-	
Chronic ora	<u> </u>	No informa	ntion available		No information	n available	-	
Chronic der	mal	No informa	ntion available		No information	n available	-	
Chronic inha	alation	No informa	ntion available		No information	n available	-	
Ge Mu Ge	itagenicity notoxicity: itagenicity rm cell mu productive	<i>in vivo</i> : tagenicity:		No inform Current in No inform No toxicity	vitro tests did no ation available. vivo tests did no ation available. y on reproductive ive organs.	t indicate m	nutag	enic effects.
	mmary o	f evaluation	of the CN	No inform	ation available.			
11.2. Info	ormation c	n other hazard	ds:					
11.2.1. End	docrine dis	rupting prope	rties:					
cor dis Art reg Reg	mponents rupting pr iicle 57(f) gulation (E	considered to operties acco or Commis U) 2017/2100	pes not contain have endocrication to REAC ssion Delegat or Commission to the contact of the con	ne CH ed on				



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11.2.2.	Other 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	-
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 Method **Evaluation** Degradation half-lives Note No information No information Marine water No information available available available No information No information Fresh water No information available available available No information No information Air No information available available available



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Trading name	:			P	ARAROSANI	LINE	E, SOLUTI	ON		
Product code:		PARA-OT-X*	ł	Date	e of compilat	ion:	21 De	c 2022	٧	ersion:
Soil	No	information a	available	No inf	ormation ole		information lable	1	_	
Biodeg	grada	tion								
% Degradation		Time (days)	N	Method		Evaluatio	n		Note
No information available			nformation		formation		information lable	1	-	
		ative potentia		(log Kow	<i>v</i>)					
Value		centration	рН	°C	Method		Evalu	ation		Note
_	lo info	ormation ble	-	_ :	No informatic available	n	No inform available	nation	-	
Biocor Value	ncentr	ration factor (Speci			Method		Evaluatio	on		Note
No information available		No in available	formation	No infavailat	ormation ble		o informatio ailable	on	No int	formation ble
Chroni	ic eco	otoxicity								
Value		Do	. A	oosure ime	Species		Method	Evalu	ation	Note
Chronic toxicity	on fi	sh LC ₅₀	No infor avail	mation able	No information available		o formation ailable	No informa availab		-
Chronic toxicity crustacea (<i>Dapl</i>		EC ₅₀	No infor avail	mation able	No information available		o formation ailable	No informa availab		-
12.4 Mobili	ty in s	soil								
Knowr	or p	redicted distr	ibution in e	environn	nental compar	tmer	nts:			
No inf	orma	tion available								



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		ace tensio						
	V	/alue	°C	Concentratio	n Metho	od		Note
	No No information available available		information	No information available	No informatio available		-	
	Adso	orption / c	desorption					
Transpo	ort	-	coefficient 's constant	log Kow	Evaporation rate	Metho	d	Note
Soil-wat	ter	No available	information	No information available	No information available	No informa available	tion	-
Water-a	air	No available	information	No information available	No information available	No informa available	tion	-
Soil-air		No available	information	No information available	No information available	No informa available	tion	-
12.5.	INCSU	iits Oi i Di	and vPvB asses	SILICIL				
	No i	nformatio	n available					
12.6.			n available rupting properti	es				
12.6.	Endo The acco	ocrine disr substance ording to R	rupting properti /mixture does i REACH Article 5	not contain compo	onents considered t n Delegated regulat igher.			
12.6.	The acco	ocrine disr substance ording to R	rupting properti Mixture does in REACH Article 5 J) 2018/605 at l	not contain compo 7(f) or Commission	n Delegated regulat			
12.6.	Endo The acco Regu	ocrine disr substance ording to R ulation (EL	rupting properti Mixture does in REACH Article 5 J) 2018/605 at l	not contain compo 7(f) or Commission	n Delegated regulat			
12.7.	Endo The acco Regu Othe	ocrine disr substance ording to R ulation (EU er adverse nformatio	rupting propertion /mixture does recommended from the control of t	not contain compo 7(f) or Commission evels of 0.1% or h	n Delegated regulat			
12.7.	Endo The sacco Regu Othe No in	ocrine disr substance ording to R ulation (EL er adverse nformatio	rupting propertion /mixture does research Article 5 J) 2018/605 at least of the common of the comm	not contain compo 7(f) or Commission evels of 0.1% or h	n Delegated regulat			
12.7. SECTIO 13.1	Endo The sacco Regu Othe No in	ocrine disr substance ording to R ulation (EU er adverse nformatio Disposal aste treatr	rupting propertion REACH Article 5 J) 2018/605 at I effects n available consideration	not contain compo 7(f) or Commission evels of 0.1% or h	n Delegated regulat			
12.7. SECTIO	Other No in Pro	ocrine disresubstance ording to Rulation (EU) er adverse of mation Disposal aste treatroduct/Pac	rupting propertion of the consideration ment methods	not contain compo 7(f) or Commission evels of 0.1% or h	n Delegated regulat	ion (EU) 2017	//2100 (or Commission



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	No information available			
13.1.3.	Waste treatment – relevant information:			
	No information available			
	!			
13.1.4.	Sewage disposal – relevant info	ormation:		
	Waste must not be disposed o	f into the sewage system.		
13.1.5.	Other disposal recommendation	ons:		
	authorized by the ministry in c	's remains into the sewage system. Submit the remains to the collectors harge. Do not dispose of the packaging into the sewage system. Submit s authorized by the ministry in charge. Do not dispose of in places where		
13.1.6.	Relevant Community provision	ns:		
	-			
SECTION	14 TRANSPORT INFORMATIO	ON CONTRACTOR OF THE CONTRACTO		
-	Transporting/shipment by road ((ADR)		
UN numb	oer:	Not subject to transport regulations		
UN prope	er shipping name:	-		
Transport	t hazard class(es):	-		
Packing g	ıroup:	-		
Environm	entally hazardous:	-		
Special p	recautions for user:	-		
-	Transporting/shipment by rail (R	ID)		
UN numb	oer:	Not subject to transport regulations		
UN prope	er shipping name:	-		
Transport	: hazard class(es):	-		
Packing g	roup:	-		
Environm	entally hazardous:	-		
Special precautions for user:		-		
	nland waterway transport (ADN))		
UN number:		Not subject to transport regulations		
UN prope	er shipping name:	-		
Transport	: 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 (IC.	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

SECTIO	SECTION 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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1	•	
15.2	Chemical safety assessment	
	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, guideline)	/13/EC about limitation of emissions of volatile organic compounds (VOC-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 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	Classification procedure		
-		-		
16.5.	Relevant H statements (num	ber and full text)		
	H: 302	Harmful if swallowed.		
	350	May cause cancer.		
16.6.	Training advice:	-		
		** "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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SECTION	ON 1. Identification of t	the substa	nce/mixture a	nd of the company/undertaking	
1.1.	Product identifier	luct identifier			
	Trading name:	NSE BUI	FER		
	Chemical name:	-			
	Catalogue number:	NSEP-O	T-X**		
1.2.	Relevant identified use	es of the si	ubstance or mix	cture and uses advised against	
	Uses:		For use in cyt	ochemical diagnostics.	
	Uses advised against:		Only the iden	tified uses are advised.	
	Reason why uses advis	sed	device, regist	he product is intended for use only as an <i>in vitro</i> diagnostic medical evice, registered at the Agency for Medicinal Products and Medical evices and 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 2409997		
	Fax no.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection ar	d Rescue	Directorate:	112	
	Medical information:	Medical information:		+385 1 2348 342	
	Other information:			-	

SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous substance				
2.1.2.	Additional information				
	-				
*For ful	*For full text of Hazard- and EU Hazard-statements: see Section 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 a PBT or a vPvB.	

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

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



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

SECTION	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 ignit 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	1			
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.			
	Emergency procedures: Mark the area using proper signs.				
6.1.2.	For emergency responders:				
	Wear protective equipment (see Section 8).				
6.2.	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.			



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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. 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 w ventilated storage rooms, and away from sources of he 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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8.1. Contro	ol parameters						
Substa	ince	CAS			Occupational exposure limit values/short term values		Biological limit values
				р	pm	mg/m³	
-		-			-	-	No information available
Collector							
Substance name:	-						
EC No:	-	CAS No:	-				
DNEL		•					
				Ind	ustrial		
Route of		Acute		Acute		Chronic	Chronic
exposure:	eff	ect local	effe	ect syste	emic	effect local	effect systemic
Oral	-		-			-	-
Inhalation	-		-			-	-
Dermal	-		-			-	-
Critical physical	parameters:	solubility, fla	ımmabilit	ty, corre	osivity:	-	
				Con	sumer		
Route of		Acute		Acute		Chronic	Chronic
exposure:	eff	ect local	effe	ect syste	emic	effect local	effect systemic
Oral	-		-			-	-
Inhalation	-		-			-	-
Dermal	-		-			-	-
PNEC							
Environmental	protection ta	rget			PNEC		
Fresh water					No information available		
Freshwater sedi	iments				No information available		
Marine water				No information available			
Marine sediments				No information available			
Food chain				No information available			
Microorganisms in sewage treatment				No information available			
Soil (agricultura	al)				No information available		
Air					No information available		



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8.2.	Exposure controls				
8.2.1.	Engineering measures				
	maggires to provent evacuire		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to preexposure:	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) visor.			
8.2.2.2.	Skin protection				
			rotective 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	tive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation available		
8.2.3.	Environmental exposure of	controls			
	Substance/mixture related measures to prevent expo		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 pre exposure:	event	See Section 6		

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



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Physical state:	liquid	No information available
Colour:	colourless	No information available
Odour/odour threshold:	no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lower and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
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:	No information available	-	LC ₅₀	_	-
Specific tar	get 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	-	
Inhalation exposure:	No information available		No information available	-	
Respiratory	rirritation:	No inf	ormation available		
Respiratory	rirritation:	No inf	1		
Respiratory Irritation ar		No info	1	Method	Note
Respiratory	nd corrosion		ormation available	Method	Note -
Respiratory Irritation ar	nd corrosion	Species	ormation available Evaluation	Method -	
Respiratory Irritation ar Skin irritation:	Exposure time	Species	ermation available Evaluation -	Method -	-
Respiratory Irritation ar Skin irritation: Eye irritation:	Exposure time	Species - -	ermation available Evaluation -	Method -	-
Respiratory Irritation ar Skin irritation: Eye irritation: Sensitizatio	Exposure time	Species - -	ermation available Evaluation -	Method - -	-
Respiratory Irritation ar Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure:	Exposure time No information avai	Species ilable	ermation available Evaluation -	-	-
Respiratory Irritation ar Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms	Exposure time No information avai	Species ilable ilable al, chemical an	Evaluation -	-	-
Respiratory Irritation ar Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	Exposure time No information avai	Species ilable ilable al, chemical an	Evaluation -	-	-
Respiratory Irritation ar Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure:	nd corrosion Exposure time No information avaitated to the physical No information a	Species ilable ilable 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 effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-



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Chronic	c inhalation	No informa	ition available	No information available	-
	CMR effects ((carcinogenicity	y, mutagenicity, re	eproductive toxicity)	
	Carcinogenic	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	ıtagenicity:	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 of o	evaluation of th	ne CMR propertie	s: -	
	Summary of o	evaluation of th	ne CMR propertie	s: -	
	Information o	on other hazard	ds:	s: -	
11.2 11.2.1.	Information of Endocrine dis	on other hazard	ds: rties:	s: -	
	Information of Endocrine dis The substance components endocrine according to Commission 2017/2100 of Endocrine dis Endocrine according to Commission 2017/2100 of Endocrine dis Endocrine dis Endocrine according to Commission 2017/2100 of Endocrine according to Co	on other hazard srupting prope e/mixture does	ds: rties: s not contain to have properties cle 57(f) or rulation (EU) Regulation	S: -	
	Information of Endocrine dis The substance components endocrine according to Commission 2017/2100 of (EU) 2018/66	erupting proper e/mixture does considered disrupting o REACH Artio Delegated reg or Commission 05 at levels	ds: rties: s not contain to have properties cle 57(f) or rulation (EU) Regulation	S: -	

SECTION 12. Ecologi	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. Pers	istence and degradability			
Abio	tic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

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

12.3.	Bioaccumulative potenti	ial								
	Partition coefficient: n-octanol/water (log Kow):									
Valu	ie Concentration	рН	°C	Method	Evaluation	Note				
-	No information available	-	-	No information available	No information available	-				

Bioconcentration factor (BCF)



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Va	alue		Species	Me	ethod		Evaluation		Note	9
		No availab	No information No information available		information		No information available		vailable	
	Chronic ed	otoxicity	<i>V</i>							
	Value		Dose	Exposure time	Spec	ies	Method	Evalua	tion	Note
Chronic	toxicity on	fish	LC ₅₀	No information available	No informa availab		No information available	No inform available	nation	-
	toxicity on a (<i>Daphnia</i>))	EC ₅₀	No information available	No inform availab		No information available	No inform available	nation	-
12.4.	Mobility in	n soil								
	Known or	predicte	d distributi	on in environm	ental co	mpart	ments:			
	No inform	ation av	ailable							
	Surface te	nsion:								
	Surface te Value	nsion:	°C	Concentra	tion		Method			Note
		No on info		Concentra No informat available	tion	No inf	Method ormation avail	able	-	Note
	Value No informatio	No on info	ormation	No informat	tion	No inf		able	-	Note
	Value No informatio	No info ava	ormation ilable	No informat	tion	No inf		able	-	Note
Transpo	Value No informatic available Adsorptio	No info ava	ormation ilable rption ficient	No informat	tion				thod	
•	Value No informatic available Adsorption Adsorption All Adsorption All All All All All All All All All A	n / deso a/D coeff enry's co	ormation ilable rption ficient	No informat available	on No		ormation avail		thod	
Transpo Soil-wat Water-a	Value No informatic available Adsorption Atsumption Adsorption Atsumption And No available	n / deso ava n / deso ava ava n / deso in ava	ormation ilable rption ficient onstant	No information available log Kow	on No avai	Evapoi	ormation availaration rate	Met No inform	thod	Note Note



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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.
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:
	-
CECTIO	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 (RID)
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 (IMDG)
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 (ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-



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Frankla and in Canna asticana.	
Further information:	-

SECTIO	ON 15. Regulatory informa	ation			
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations				
	Authorization and/or rest	rictions of use			
	Authorizations:	-			
	Restrictions:	-			
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);			
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-			
	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values a National legislation: on biological limit values, Regulation on categories, types and classificatio 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	N 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.

Δ	N I	N I	_	v	
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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 SUBST	NSE SUBSTRATE		
	Chemical name:	-			
	Catalogue number:	NAFA-OT->	〈 **		
1.2	.2 Relevant identified uses of the substance or mixture and uses advised against			nixture and uses advised against	
	Uses:		For use	in cytochemical diagnostics.	
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advi	sed against:	device, r	duct is intended for use only as an <i>in vitro</i> diagnostic medical registered at the Agency for Medicinal Products and Medical and there is no reason to use it for other purposes.	
1.3	Details of the supplier	of the safety	data shee	t	
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:	Telefax.:		+385 1 2404039	
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone	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) N	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	*For 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	
	Endocrine Disrupting Propo	erties:
	No known endocrine disrupt	

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

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	4.1	Description of first aid measures				
Following inhalation: 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 symptor 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. Following ingestion: Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult 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: Self-protection of the first aider: Following inhalation: Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		General notes:				
Following skin contact: water for at least 20 minutes. Seek medical assistance if the symptor 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 physician and show the container or label. In case of swallowing larg quantities, transport the afflicted person to the hospital. Self-protection of the first aider: 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. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		Following inhalation:	ventilated area or out for fresh air. In case of difficult breathing,			
Following eye contact: least 20 minutes. If the symptoms remain, immediately call in ophthalmologist. Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult physician and show the container or label. In case of swallowing larg quantities, transport the afflicted person to the hospital. Self-protection of the first aider: 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. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		Following skin contact:	water for at least 20 minutes. Seek medical assistance if the symptom			
Following ingestion: 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: 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. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and exposure time, it may lead to irritation, tearing, redness and pain.		Following eye contact:	least 20 minutes. If the symptoms remain, immediately call in			
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. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, tearing on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.			
Following inhalation: Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and exposure time, it may lead to irritation, tearing, redness and pain.		Self-protection of the first aider:	-			
Following innalation: mucosa irritation, cough, and dyspnea. Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.	4.2	Most important symptoms and effects, both acute and delayed				
Following skin contact: irritation, rash, skin drying and skin cracking. Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		Following inhalation:				
irritation, tearing, redness and pain.		Following skin contact:				
Following ingestion: Danger of gastric perforation.		Following eye contact:				
		Following ingestion:	Danger of gastric perforation.			



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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 su	bstance 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					
	Remove sources of heat and ignition	on. Do not contaminate the environment with extinguishing media.				

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. 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 case of inadequate ventilation use adequate airways protective equipme (see Section 8).				
6.2	Environmental precautions:				
	Do not dispose of in sewage, d Protection and Rescue Director	rainage system and waterways. In case of large spillage contact National rate (NPRD) on 112.			
6.3	Methods and material for cont	ainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.			
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and involved materials with water.			
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).			
6.4	Reference to other sections				



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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. Thoroughly wash hands after work and before eating.				
7.2	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:		ghtly closed and upright set containers at ures ranging from +2 to +8 °C.		
	Packaging materials:	Manufacturer's original packaging. Avoid metal containers.			
	Requirements for storage rooms and vessels:	Keep awa tightly clo	y from food and drink. Keep the containers osed.		
	Advices for storage equipment: The storage must be made of hard material must be resistant to chemicals. There must that directly leads into sewage system. See ventilation.				
	Further information on storage conditions:	Do not place the unused material in the storage roc and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).			
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:				

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



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<u> </u>								1			
-				-		-	-		No info	ormation availab	le
Substance na	ame:	-	L	1							
EC No:		-	CAS No	: -							
DNEL											
				I	Ind	lustrial			1		
Route of		Acu		Acu			Chro			Chronic	
exposure:		effect	local	effect sy	ystemic		effect I	ocal		effect systemic	
Oral		-		-		-			-		
Inhalation		-		-		-			-		
Dermal		-		-		-			-		
Critical physi	ical par	rameters: s	olubility,	flammabili	ity, corr	osivity:					
				1	Cor	nsumer			1		
Route of		Acı		Acı			Chro			Chronic	
exposure:		effect	local	effect sy	ystemic		effect I	ocal		effect systemic	
Oral		-		-		-			-		
Inhalation		-		-		-			-		
Dermal		-		-					-		
PNEC											
Environment	tal prot	tection tar	get			PNEC					
Fresh water						no information available					
Freshwater s	sedime	nts				no information available					
Marine wate					-	no information available					
Marine sedir	ments					no inform					
Food chain						no inform					
Microorgani	sms in	sewage tre	eatment			no information available					
Soil (agricult	tural)					no information available					
Air						no inform	ation av	vailable			
8.2	Exposi	ure control	S								
8.2.1.	Appro	priate eng	ineering	controls							
				d measures identified ι	S TO	•	e equipr			oms. Use person nk or smoke in t	



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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:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection				
	Hand protection:	Protec	ctive nitrile gloves, >0.11 mm thick (EN 374).		
	Other skin protection:	Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves (EN 340) and shoes that cover the entire foot.			
8.2.2.3.	Respiratory protection:		quired under normal conditions of use. Use suitable story protective device when high concentrations are st.		
8.2.2.4.	Thermal hazards:	No info	ormation 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 o workplace.			
	Technical measures to prevent exposure:	nt See Section 6			

SECTI	SECTION 9. Physical and chemical properties					
9.1	Information on basic physical and	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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	Flammability:	No information available	No information available
	Lower and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	pH:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	-		

SECTIO	SECTION 10. Stability and reactivity						
10.1	Reactivity:	See subsections 10.3 through 10.5.					
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (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. Toxic	SECTION 11. Toxicological information								
11.1 Informatio	11.1 Information on toxicological effects								
Acute toxi	city:								
Route of exposure:	Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results				
Oral:	-	No information available	-	No information available	-				
Dermal:	-	No information available	-	No information available	-				
Inhalation:	-	No information available	-	No information available	-				



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Specific	target organ toxicit	y – single expo	osure (STOT S	Ξ):		
	Spec	ific effects		Target organ		Note
Oral:	No information	available	No ir	formation availa	ble -	
Dermal:	No information	available	No ir	formation availa	ble -	
Inhalation:	No information	available	No ir	formation availa	ble -	
Aspirati	on hazard:	N	o information	available.		
Irritation	n and corrosion					
IIIItatioi	Exposur	e time	Species	Evaluation	Method	Note
Skin			Оросио			
corrosion/irritation	on:	-		-		
Serious eye	-	_		_	_	
damage/irritation	n					
Sensitiz	ation					
Skin sensitization	1					
Respiratory sensi						
respiratory seris	itization.					
Sympto	ms related to the ph	nysical chemic	al and toxicol	ogical characteris	stics	
Oral exposure:	No informati	•	ar arra toxicon	ogical characteris	7.1.03	
Dermal exposure						
Inhalation expos						
Eye exposure:	No informati					
, ,						
Repeate	ed dose toxicity (sub	acute, subchro	onic, 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	-



Germ cell mutagenicity:

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Subchronic oral	No availa	information able	No information available	No information available	No information available	No information	on -	
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No information available	on -	
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No information available	on -	
Chronic oral	No availa	information able	No information available	No information available	No information available	No informati available	on -	
Chronic dermal	No availa	information able	No information available	No information available	No information available	No informati available	on -	
Chronic inhalation	No availa	information able	No information available	No information available	No information available	No informati available	on -	
Specific	target	organ toxicit	y – repeated e	xposure (STOT	RE):			
			Specific effec	cts	Target o	rgan	Note	
Subacute oral		No informa	tion available		No information	n available	-	
Subacute derma		No informa	tion available		No information	n available	-	
Subacute inhalat	ion	No informa	ation available		No information	n available	-	
Subchronic oral		No informa	tion available		No information	n available	-	
Subchronic derm	nal	No informa	tion available		No information	n available	-	
Subchronic inhal	ation	No informa	tion available		No information	n available	-	
Chronic oral		No informa	tion available		No information	n available	-	
Chronic dermal		No informa	tion available		No information	n available	-	
Chronic inhalation	n	No informa	tion available		No information	n available	-	
i								
CMR ef	fects (c	arcinogenicity	y; mutagenicity	y; reproductive				
Carcino	Carcinogenicity:			Current st carcinoge	udies on test anii nic effects.	mals did not	t indicate	
Mutage	nicity <i>ii</i>	n vitro:		Current in	Current in vitro tests did not indicate mutagenic effects.			
Genoto	·····				No information available.			
Mutage	nicity <i>ii</i>	n vivo:		Current in	Current in vivo tests did not indicate mutagenic effects.			

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 information:					
	-					

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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Algae/a	quatic p	lants	IC ₅₀	72 hours		lo information vailable	No inforr availa	mation able	No informa availabl		-
Other c	rganism	S	-	-	-		-		-		-
12.2.	Persist	ence a	nd degrada	bility							
	Abiotio	degra	dation				1				
		De	gradation h	alf-lives		Method		Evaluatio	on		Note
Marine	water	No ir	nformation a	available	No i avail	nformation able	No in availa	nformatio able	n	_	
Fresh w	ater	No ir	nformation a	available	No i avail	nformation able	No in availa	nformatio able	n	-	
Air		No ir	nformation a	available	No i avail	nformation able	No in availa	nformatio able	n	-	
Soil		No ir	nformation a	available		nformation able	No in availa	nformatio able	n	-	
	Biodeg								1		
	gradatio		Time (Method		Evaluatio			Note
	No information No available			formation	No information available		No information available		n	_	
12.3.	Bioacc	umulat	ive potentia	al							
	Octano	ol-wate	er partition o	coefficient (log Ko	ow)				1	
Valu	e	Conce	ntration	рН	°C	Method	Evaluation		ıation		Note
-		o infor vailable	mation e	-	-	No information		No inforr available	nation	-	
	Biocon	centra	tion factor (BCF)							
V	Biocon 'alue	centra	tion factor (Speci			Method		Evaluat	ion		Note



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	Chr	onic ecoto	xicity									
	Va	llue	Dose	Exposure time	Spe	ecies	Meth	od	Eν	aluation		Note
Chroni	c toxi	city on fish	LC ₅₀	No information available	No inforr availa	mation Ible	No informa availab			rmation lable	–	
Chroni crustac		city on aphnia)	EC ₅₀	No information available	No inforr availa	nation Ible	No informa availab			rmation lable	-	
12.4.	Мо	bility in soi	l									
	Knc	wn or prec	licted distributi	on in environm	nental c	ompart	ments:					
	No	informatio	n available									
	Sur	face tensio	n:									
		Value	°C	Concentra	ition	on Method			Not	е		
	No No information available available		information	No informa available	No information available No information available		-					
	A -1-											
	Ads	orption / d	coefficient									
Transp	ort	1	's constant	log Kow	Eν	/aporati	on rate	Method Note			Note	
Soil-wa	ater	No available	information	No information		o information No informa vailable available		ation	-			
Water-	air	No available	information	No information				No ir avail		mation -		
Soil-air	•	No available	information	No information				ation	-			
12 5	Doc	ults of DDT	and vDvP accor	coment								
12.5.			and vPvB asses	sment								



Trading name:

Packing group:

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á	according	g to REACH Article 57	ot contain components considere (f) or Commission Delegated regu vels of 0.1% or higher.			
12.7. (Othor ad	verse effects				
		nation available				
	10 1111011	nation available				
SECTION	13. Disp	oosal considerations				
13.1	Waste 1	reatment methods				
10.1.1						
13.1.1.		t/Packaging disposal:				
	Submit Protect		gal person authorized by the Mini	istry of Environmen	tal and Nature	
13.1.2.	Waste o	codes/waste designat	ions according to Law:			
	No info	rmation available				
	:					
13.1.3.	Waste 1	reatment – relevant i	nformation:			
	No info	rmation available				
	_					
13.1.4.		e disposal – relevant ir				
	Waste i	must not be disposed	of into the sewage system.			
13.1.5.	Other o	lisposal recommenda	tions:			
	Do not authori the pac	dispose of the produ zed by the ministry in	ct's remains into the sewage syste charge. Do not dispose of the pa ors authorized by the ministry in c	ckaging into the se	wage system. Sul	omit
13.1.6.	Relevar	nt Community provision	ons:			
	-					
		nsport information				
i	······	ting/shipment by road				
UN numb			1992	,		
UN prope			Flammable liquid, toxic, n.o.s.	(methanol solution))	
Transport	hazard (class(es):	3 (6.1)			

Ш



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Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (RID)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADI	N)
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 (IMDG)
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 I of MARPOL 73/78 and the IBC code:	I -
Transporting/shipment by air (I	CAO-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 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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1					
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			
		-			
		used to derive the classification for mixture according to Regulation (EC)			
assification		Classification procedure			
		-			
Rele	evant H statements (numl	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.			
Trai	ning advice:	-			
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.			
	Key sou Clas 127 cation Rele	1272/2008 (CLP) Cation Relevant H statements (number of the statement of			

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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SECTION	ON 1. Identification of t	the substa	nce/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trading name:	NSE INH	IIBITOR		
	Chemical name:	-			
	Catalogue number:	NAFO-C)T-X**		
1.2.	Relevant identified use	es of the su	ubstance or mix	cture and uses advised against	
	Uses:		For use in cyt	ochemical diagnostics.	
	Uses advised against:		Only the iden	tified uses are advised.	
	Reason why uses advis	sed	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	of the safe	ety data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska	59, Zagreb	
	Telephone number:		+385 1 24099	97	
	Fax no.:		+385 1 24040	39	
	e-mail of competent p	erson:	msds@biogno	ost.hr	
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection an	d Rescue	Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	ECTION 2. Hazards identification						
2.1.	Classification of the substance	Classification of the substance or mixture					
2.1.1.	Classification according to Reg	ulation (EC) No 1	272/2008 (CLP)				
	Hazard class and categ	ory code:	Hazard statements*:				
	Not identified as hazardous su	bstance.	-				
2.1.2.	Additional information						
	-						
*For fu	ll text of Hazard- and EU Hazard	-statements: see S	ection 16				
2.2.	Label elements						
	Product identification:	NSE INHIBITO	DR				
	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				

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

SECTIO	SECTION 6. Accidental release measures						
6.1.	Personal precautions, protective ed	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 So	ection 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	
	-	

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.			
7.2. Conditions for safe storage, including any in Technical measures and storage conditions: Packaging materials:	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)	Section 9).			



Soil (agricultural)

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Recommer				-					
Industrial s	sector spec	ific solution	is:	-					
SECTION 8. Exposi	ure contro	ls/persona	l protect	tion					
8.1. Control pa	rameters								
				Occupationa					
Substance C		CAS N	lo	values/sho	rt term	values	Bio	ological limit v	alues
				ppm	m	ng/m³			
		-		-		-	No info	rmation availa	ble
Substance _									
name:									
EC No: -		CAS No:	-						
DNEL									
				Industrial					
Route of		Acute		Acute		hronic		Chronic	
exposure:	effec	t local	effe	ct systemic	effe	ect local		effect system	iic
Oral	-		-		-		-		
Inhalation	-		-		-		-		
Dermal	-		-				-		
Critical physical par	ameters: so	olubility, fla	mmabilit	y, corrosivity:		-			
				Consumer					
Route of		cute		Acute		hronic		Chronic	
exposure:	effec	ct local	effe	ct systemic	effe	ect local		effect system	iic
Oral	-		-		<u> </u>		-		
Inhalation	-		-		-		-		
Dermal	-		-		-		-		
PNEC									
Environmental prot	ection targ	et		PNEC					
Fresh water				No info	rmatior	available			
Freshwater sedimer	nts			No info	rmatior	available			
Marine water				No info	rmatior	available			
Marine sediments				No info	rmatior	available			
Food chain				No info	rmatior	available			

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 exposu during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
	Structural measures to prescribe exposure:	revent	No information available			
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prexposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			
8.2.2.	Personal protection 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					
	Hand protection:		ctive gloves must be according to the EU Directive 2016/425/EEC and ard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min			
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long es (EN 13034), and shoes that cover the entire foot (EN 10335).			
8.2.2.3.	Respiratory protection:	filter f	ective full face mask (EN 136) or half mask (EN 140) equipped with a for organic vapors, type "A" (boiling point >65°C) acording to EN 37) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	formation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relate measures to prevent exp		See Section 6			
	Structural measures to preserve:	revent	Use modern equipment.			
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to pr exposure:	event	See Section 6			

SECTION 9. Physical and chemical properties



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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
Lower and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
рН:	No information available	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density:	No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available

SECTIO	ON 10. Stability and reactivity	
10.1.	Reactivity:	See subsections 10.3 through 10.5.
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.
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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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 tard	get organ toxicity – si	nale exposure	(STOT SE):		
<u> </u>	Specific		Target organ		Note
Oral exposure:	No information		No information available	-	
Dermal exposure:	No information	available	No information available	-	
			No information	-	
Inhalation exposure: Respiratory	irritation:		available ormation available		
•	irritation:	No info	available ormation available		N .
Respiratory Irritation an	irritation:	No info	available ormation available Evaluation	Method	Note
Respiratory Irritation an Skin irritation:	irritation: d corrosion Exposure time	No info	available ormation available Evaluation -	Method	Note
Respiratory Irritation an	irritation:	No info	available ormation available Evaluation	Method	Note
Respiratory Irritation an Skin irritation:	irritation: d corrosion Exposure time -	No info	available ormation available Evaluation -	Method	Note
Respiratory Irritation an Skin irritation: Eye irritation:	irritation: d corrosion Exposure time -	Species -	available ormation available Evaluation -	Method	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitizatio	irritation: d corrosion Exposure time	Species able	available ormation available Evaluation -	Method	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	irritation: d corrosion Exposure time - - No information avail	Species able	available ormation available Evaluation -	Method 	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms	irritation: d corrosion Exposure time - - No information avail	Species able able	available Evaluation	Method 	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	irritation: d corrosion Exposure time No information avail No information avail	Species able able al, chemical and	available Evaluation	Method 	Note
Respiratory Irritation an Skin irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	irritation: d corrosion Exposure time No information avail No information avail related to the physica No information av	Species able able al, chemical and vailable vailable	available Evaluation	Method 	Note



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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 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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CHIONIC	inhalation No inform	ation available	No information available	-		
	CMR effects (carcinogenicit	ty, mutagenicity, r	eproductive toxicity)			
	Carcinogenicity:	Based on av	sed on available data, the classification criteria are not met.			
	Mutagenicity in-vitro:	Based on av	ailable data, the classification criteria	are not met.		
	Genotoxicity:	Based on av	ailable data, the classification criteria	are not met.		
	Mutagenicity in-vivo:	Based on av	ailable data, the classification criteria	are not met.		
	Germ cell mutagenicity:	Based on av	ailable data, the classification criteria	are not met.		
	Reproductive toxicity:	Based on av	ailable data, the classification criteria	are not met.		
11.2	Information on other hazar	ds:				
11.2	Information on other hazar	ds:				
11.2.1.	Endocrine disrupting properties:					
	The substance/mixture doe components considered endocrine disrupting according to REACH Art Commission Delegated reg 2017/2100 or Commission (EU) 2018/605 at levels higher.	to have properties icle 57(f) or gulation (EU) n Regulation				
11.2.2.	components considered endocrine disrupting according to REACH Art Commission Delegated reg 2017/2100 or Commission (EU) 2018/605 at levels	to have properties icle 57(f) or gulation (EU) n Regulation				

SECTION 12. Ecologi	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	-	-	_	-					



Soil

No information available

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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 No information available No information available No information available water No information available No information available No information available Fresh water Air No information available No information available No information available

No information available

No information available

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

12.3.	Bio	accumulative potential											
	Partition coefficient: n-octanol/water (log Kow):												
Valu	ıe	Concentration	рН	°C	Method	Evaluation	Note						
-		No information available	_	-	No information available	No information available	-						
	Bio	concentration factor ((BCF)										



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\	/alue		Species	Me	thod	Evaluation		Note	
No info	ormation lle	No avail	informati able	on No informa available	ation	No information available	No inform	No information availa	
	Chronic	ecotoxio	city						
	Value		Dose	Exposure time	Species	Method	Evalua	tion	Note
Chroni	c toxicity o	n fish	LC ₅₀	information	No information available	No information available	No inform available		-
	c toxicity o cea (<i>Daphn</i>		EC ₅₀	information	No information available	No information available	No inform available		_
12.4.	Mobility								
		······		on in environme	ental compart	ments:			
			available						
	Surface 1				1			1	
	Value	9	°C	Concentrati	ion	Method			Note
	No informat	ion i	No nformation	No informati available	on No inf	ormation avail	able	_	
	available	e a	ıvailable						
	available	e a	ıvailable						
	Adsorpti								
Transp	Adsorpti	on / de:		log Kow	Evapo	ration rate	Met	:hod	Note
Transp Soil-wa	Adsorpti ort No	on / de A/D co Henry's	sorption efficient	log Kow No information available			Met No inform available		Note
	Adsorptiont No ava	on / de: A/D co Henry's ilable	sorption efficient constant	No information	n No inform	nation	No inform	nation	Note -



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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.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-
SECTIO	N 14. Transport information
	Transporting/shipment by road (ADR)



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UN number:	Not subject to transport regulations.
UN proper shipping name:	
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by	rail (RID)
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 (IMDG)
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 (ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-



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Further information:	. -
i di tirei irriorriationi.	

SECTIO	ON 15. Regulatory informa	ation			
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations				
	Authorization and/or restrictions of use				
	Authorizations:	-			
	Restrictions:	-			
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (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 assessment				
	None				

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



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16.2. Abbreviations and acronyms:		ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:	-		
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classifi	cation	Classification procedure		
-		-		
16.5.	Relevant H statements (numb	er and full text)		
	301	Toxic if swallowed.		
	H: 315	Causes skin irritation.		
	319	Causes serious eye irritation.		
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.		

Exposure scenario resulting to Chemical safety assessment

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