

FEULGEN KIT

The kit contains:

BioSchiff reagent
Fast Green F.C.F. contrast reagent
HCL reagent, Feulgen
Sodium metabisulfite, solution for
Feulgen
Sodium thiosulfate, 2% solution



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

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Trading name:	BIOSCHIFF REAGENT					
Product code:	BS-OT-X**	Date of compilation:	21 Dec 2022	Version:	4	

		he substance	e/mixture	and of the company/undertaking			
1.1	Product identifier	· ·					
	Trading name:	BIOSCHIFF REAGENT					
	Chemical name:	-					
	Catalogue number:	BS-OT-X**	BS-OT-X**				
1.2	Relevant identified uses of the substance or mixture and uses advised against						
	Uses:		For dete	ecting aldehydes and mucous substances.			
	Uses advised against:		Only the	e identified uses are advised.			
	Reason why uses advis	sed against:	duct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes.				
1.3	Details of the supplier	of the safety	data shee	t			
	Supplier:		BioGnost Ltd.				
	Address:		Medjugorska 59, Zagreb				
	Telephone number:		+385 1 2409997				
	Telefax.:		+385 1 2404039 msds@biognost.hr				
	e-mail of competent p	erson:					
	National contact:		-				
1.4	Emergency telephone	number					
	National Protection an	d Rescue Dire	ectorate:	112			
	Medical information:			+385 1 2348 342			
	Other information:			-			

SECTIO	TION 2. Hazards identification					
2.1	Classification of the substan	ce or mixture				
2.1.1	Classification according to F	Regulation (EC) No 1	1272/2008 (CLP)			
	Hazard class and ca	egory code:	Hazard statements*:			
	-		EUH031			
2.1.2.	Additional information					
	-					
*For fu	ıll text of Hazard- and EU Haza	rd-statements: see	SECTION 16			
2.2	Label elements					
	Product identification:	BIOSCHIFF REA	AGENT			
	Identification number:	on number: -				
	Authorization number:	-				
	Hazard pictograms:	-				



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	Signal word:	-
	Hazard statements:	EUH031 Contact with acids liberates toxic gas.
	Precautionary statements:	P281 Use personal protective equipment as required.
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Endocrine Disrupting Prope	rties:
	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. Cor	SECTION 3. Composition/information on ingredients							
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)				
7681-57-4/ 231-673-0/ 016-063-00-2	-	1 – 3 %	sodium metabisulfite	Acute Tox. 4; H302 Eye Dam. 1; H318 EUH031				
7647-01-0/ 231-595-7/ 017-002-01-X	-	0.7 – 1 %	hydrochloric acid, 36.5%	Skin Corr. 1B; H314 Acute Tox. 3; H331				

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



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	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:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.
4.3	Indication of any immediate medi	cal attention and special treatment needed
	-	

SECTIO	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO 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:	Sulfur oxides.			
5.3	Advice for firefighters				
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.				
5.4	Additional information				
	Do not contaminate the environment	ent with extinguishing media.			

SECTIO	SECTION 6. Accidental release measures					
6.1	Personal precautions, protective	equipment and emergency procedures				
6.1.1.	For non-emergency personnel					
	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, dra Protection and Rescue Directora	ainage system and waterways. In case of large spillage contact National lite (NPRD) on 112.				



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6.3	Methods and material for cor	ntainment 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 and involved materials with water.			
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).			
6.4	Reference to other sections				
	See Section 7 for information	on safe handling.			
	See Section 8 for information	See Section 8 for information on personal protective equipment.			
	See Section 13 for disposal in	formation.			

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.			
	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:	well ventila	in tightly closed and upright set containers in a rentilated storage rooms at temperatures ranging 15 to 25 °C.			
	Packaging materials:		Manufacturer's original packaging. Avoid metal containers.			
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.				
	Advices for storage equipment: must b that dir		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.			



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	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 Co	ntrol par		ols/perso							
:	Substance				•	ccupational exposure limit values/short term values		Biological limit values		
						ppm		mg/m³	J	
sodium metabisulfite		е	7681-57	7-4		-/-		5/-	No information available	
Substance r	name:	_								
EC No: -		_	CAS No	:	_					
DNEL		1								
						Industria	ıl			
Route of		Acı	ite		Acute	1		Chronic	Chronic	
exposure:		effect	local effect sys		ect syst	emic	ic effect local		effect systemic	
Oral		-		-			-		-	
Inhalation		-		-			-		-	
Dermal		-		-			-		-	
Critical phys	sical para	meters: s	olubility,	flamm	ability, d	corrosivit	y:	-		
					(Consume	er		1	
Route of		Acı			Acute		Chronic		Chronic	
exposure:		effect	local	eft	ect syst	emic		effect local	effect systemic	
Oral		-		-			-		-	
Inhalation		-		-			-		-	
Dermal		-		-			-		-	
PNEC						1				
Environmental protection target			PNEC							
Fresh water						nation available				
Freshwater sediments				No in	No information available					
Marine wate						No in	form	nation available		
Marine sedi	ments					No in	No information available			



Food chain

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No information available

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Microorganisms in sewage treatment			No information available		
Soil (agric	cultural)		No information available		
Air			No information available		
8.2	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measure prevent exposure during identified		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Organisational measures to preven exposure:	t	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent expo	osure:	Secure proper workspace ventilation in order to keep		
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 levels of concentration in air; protective gas mask that coventire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection				
	Hand protection:	Protect	tive nitrile gloves, 0.11 mm thick (EN 374).		
	()ther skin protection:		ntistatic clothing made of natural fibers (such as cotton) ng sleeves (EN 340) and shoes that cover the entire foot.		
8.2.2.3.	Respiratory protection:	combir	e mask (EN 136) or half mask (EN 140) equipped with a ned "A1 + Form" filter (EN 143) used when concentration exceed GVI.		
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:	Use mo	odern equipment.		
	_	Adapt workpl	the work process to the required working conditions of the ace.		
	Technical measures to prevent exposure:	See Se	ction 6		



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Information on basic physical and	chemical properties	
	Value	Method
Physical state:	liquid	No information available
Colour:	colourless	No information available
Odour/odour threshold:	sharp/no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lover and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
рН:	<2	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	ECTION 10. Stability and reactivity				
10.1	Reactivity:	No information available			
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:	Strong oxidants (acids).			
10.6	Hazardous decomposition products:	Sulfur dioxide, sodium oxide.			



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11.1 Information	n on toxico	logical effects						
Acute toxic	ity:							
Route of exposure:	Method	ethod Species		Dose LD ₅₀ /LC ₅₀ or ATE _{mix}		time	Results	
Oral:	-	_		information lable	-		-	
Dermal:	-	_	1	information lable	-		-	
Inhalation:	-	-		information lable	-		-	
Specific tar	get organ	toxicity – single e	exposure (S	TOT SE):				
	Specific effects			Target or	gan		Note	
Oral: No information available				No information available		_		
Dermal:	No inforn	nation available		No information av	-			
Inhalation:	nhalation: No information available			No information available		-		
Aspiration l	hazard:		No infor	mation available.				
Irritation ar	nd corrosio	n						
		posure time	Spec	ies Evaluatio	n Method		Note	
Skin corrosion/irritation:	-		-	-	-	- -		
Serious eye damage/irritation	-		-	-	-	-		
Sensitizatio	n							
Skin sensitization:		No information a	available					
Respiratory sensitization: No information a		vailable						
Symptoms	related to	the physical che	mical and t	oxicological charac	teristics			
Oral exposure:	May ca	use gastrointesti	nal irritatio	n accompanied by	abdominal pa	ains and	cramps; high	
'		nt concentration	may induce	e vomiting and diar	rhea			



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Inhalation exposi	ure:	exposure and		y sensitive pers	high levels of co	•	rolonged as well as asthm
Eye exposure:		May cause ey	e irritation.				
Kepeate	ed dose	e toxicity (sub	acute, subchro	onic, chronic)			
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No availa	information able	No information available	No information available	No information available	No information available	-
Subacute dermal	No availa	information able	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 availa	information able	No information available	No information available	No information available	No information available	-
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No information available	-
Chronic oral	No availa	information able	No information available	No information available	No information available	No information available	-
Chronic dermal	No availa	information able	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available		No information available	No information available	No information available	No information available	-
C: C	to == 1	ongo to dell	., ", ", ", ", ", ", ", ", ", ", ", ", ",	vmosure (CTOT	DE).		
Specific	target	organ toxicit	<u> </u>	xposure (STOT		raan	Note
Subacute oral		No informa	Specific effection available	.13	Target organ No information available -		
Subacute dermal			tion available		No information		
Subacute inhalat			tion available		No information		



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Subchronic oral	No information available		No information available	-			
Subchronic dermal	No information available		No information available	-			
Subchronic inhalatio	n No information available		No information available	-			
Chronic oral	No information available		No information available	-			
Chronic dermal	No information available		No information available	-			
Chronic inhalation	No information available		No information available	-			
CMR effects	(carcinogenicity; mutagenicity; re	eproductive t	oxicity)				
Carcinogen	city:	No informa	tion available				
Mutagenicit	y in vitro:	No informa	tion available				
Genotoxicit	/:	No informa	tion available				
Mutagenicit	y in vivo:	No informa	tion available				
Germ cell m	utagenicity:	No informa	tion available				
Reproductiv	e toxicity:	No information available					
Summary properties:	of evaluation of the CMR	No informa	tion available				
11.2 Information	on other hazards:						
11.2.1. Endocrine d	. Endocrine disrupting properties:						
	endocrine disrupting properties uman health.						
11.2.2. Other inform	nations:						
_							

SECTION 12. Ecologic	cal informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	4 days	No information available	No information available	No information available	-



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Other of	organisms		-	-	-		-	-		-	
Chroni toxicity	LIOCA		Exposur time	e	Species	Method	Eva	aluation	Note		
Fish LC ₅₀ 96 h		96 hours		No information available No information available		No information available		-			
Crustacea:			EC ₅₀	48 hours	availahla		48 hours	No information available	No inforr availa	mation Ible	-
Algae/	aquatic pla	ints	IC ₅₀	72 hours		o information ailable	No information available	formation information		-	
Other organisms		-		-	-		-				
12.2	Persister	nce ar	nd degradal	oility							
	Abiotic o	degra	dation		:		,		:		
		De	gradation h	alf-lives		Method	Evaluation		Note		
Marine	water	No in	formation a	available	No in availa	formation ble	No information available		-	_	
Fresh v	vater	No in	formation a	available	No in availa	formation Ible	No informati available	on	-		
Air		No in	formation a	available	No in availa	formation able	No informati available	on	-		
Soil No information available			nformation No information available		on	_					

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

12.3	Bioaccumulative potential									
	Octanol-water partition coefficient (log Kow)									
Value	e Concentration	рН	°C	Method	Evaluation	Note				
-	-	-	-	-	-	-				



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								3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					
Bio	oconcent	ration	factor (BCF)										
Value			Species		M	lethod	l	E	/aluatio	on		Note	
No informa available	No information No inform		ation	No infor		n	No info		on	-			
Ch	nronic eco	otoxici	ty					,			·		
V	Value Dose		Dose		osure ime	Spe	ecies	Meth	nod	Eva	luation	N	ote
Chronic tox	kicity on f	fish	LC ₅₀	information		No inforr availa	mation Ible	No inform availab		No infor avail	mation able	-	
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	information ir		No inforr availa	mation lble		-		mation able	-		
12.4 M	obility in	soil											
Kr	nown or p	oredict	ed distributi	on in e	environme	ental c	ompart	ments:					
	o informa		vailable										
Su	ırface ten	sion:											
	Value		°C	C	oncentrat	ion	0 0 0 0 0	Metho	od			Note	
	o formatior railable		o formation vailable		informat iilable	ion	No inf availal		ormation -		-		
Ac	dsorption		•						***		-		
Transport	· ·		fficient constant	lc	og Kow	Eν	/aporati	on rate		Metho	d	No	te
Soil-water	No availa		nformation	No information available			o inform ailable	nation	No ir availa	nforma able	ation	-	
Water-air	No availa		nformation	No ir availa	nformatio able		No information available		No information available		ation	-	



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Soil-air	No information available	n No information available	No information available	No information available	-
12.5.	Results of PBT and vPvB ass	sessment			
	Substance(s) in the mixture		criteria for PBT or	vPvB	
	· · · · · · · · · · · · · · · · · · ·				
12.6.	Endocrine disrupting prope	rties			
	The substance/mixture doe according to REACH Article Regulation (EU) 2018/605 a	57(f) or Commission	n Delegated regula		
12.7.	Other adverse effects				
	No information available				
SECTIO	N 13. Disposal consideration	ons			
13.1	Waste treatment method	s			
13.1.1.	Product/Packaging dispo	sal:			
	Submit for disposal to the Protection.	e legal person autho	rized by the Minist	ry of Environmental	and Nature
13.1.2.	Waste codes/waste desig	nations according to	Law:		
	Packaging that contains r	esidual hazardous sı	ubstances or is con	taminated with haza	rdous substances
13.1.3.	Waste treatment – releva	nt information:			
	No information available				
13.1.4.	Sewage disposal – releva	nt information:			
	Waste must not be dispo	sed of into the sewa	ge system.		
13.1.5.	Other disposal recommer	ndations:			
	Do not dispose of the pro authorized by the ministry the packaging to the coll	y in charge. Do not o	dispose of the pack	aging into the sewa	
13.1.6.	Relevant Community pro	vicione:			
15.1.0.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	VISIOIIS.			



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



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Environmentally hazardou	JS:	-
Special precautions for us	ser:	-
Further information:	-	

SECTI 15.1	ON 15. Regulatory informa				
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			
	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:	-	



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

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Trading name:	BIOSCHIFF REAGENT				
Product code:	BS-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

16.2	Abl	oreviations 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)		
Classif	icatio	า	Classification procedure		
_	-		-		
16.5.	Rel	evant H statements (numl	per and full text)		
	H:	H302	Harmful if swallowed.		
		H314	Causes severe skin burns and eye damage		
		H318	Causes serious eye damage.		
		H331	Toxic if inhaled.		
		(EUH031)	Contact with acids liberates toxic gas.		
16.6.	Tra	ining advice:	-		
			** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	. Further information:		We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



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

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Trading name:	F/			
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

SECTI	ION 1: Identification of	the substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name: FAST GREEN		N F.C.F. CC	I F.C.F. CONTRAST REAGENT		
	Chemical name:	-				
	Catalogue number:	FGKR-OT-X**				
1.2	Relevant identified uses of the substance or mixture and uses advised again			nixture and uses advised against		
	Uses:		Counter	stain used with Grocott staining kit.		
	Uses advised against:		Only the	identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039 <u>msds@biognost.hr</u>			
	Telephone number:					
	Telefax.:					
	e-mail of competent p	erson:				
	National contact:		-			
1.4	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			-		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to Regu	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and catego	ory code:	Hazard statements*:			
	Not identified as hazardous sub	ostance.	-			
2.1.2.	Additional information					
	-					
*For ful	ll text of Hazard- and EU Hazard-	statements: see S	ECTION 16			
2.2	Label elements					
	Product identification:	FAST GREEN F.C	.F. CONTRAST REAGENT			
	Identification number:	-				
	Authorization number:	-				
	Hazard pictograms:	-				



SAFETY DATA SHEET ng to Regulation (EC) No. 1907/200

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

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Trading name:				
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

	Signal word:	-				
	Hazard statements:	-				
	Precautionary statements:	-				
	Supplemetal hazard information (EU):	-				
2.3	Other hazards					
	The product has no other know	n specific hazards for human or environment.				
	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.					
	Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.					

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

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



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Trading name:	F/			
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

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

SECTI	CTION 5. Firefighting measures					
5.1	Extinguishing media	Extinguishing media				
	Suitable extinguishing media:	water spray, dry powder, CO2 or alcohol resistant foam				
	Unsuitable extinguishing media:	Water with full 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 o	compressed air breathing apparatus and fireproof clothing.				
5.4	Additional information					
	Cool endangered receptacles with contaminate the environment with	water spray. Collect contaminated firefighting water separately. Do not extinguishing media.				

SECTIO	ON 6. Accidental release meas	ures				
6.1	Personal precautions, protective	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 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 protective barrier or barriers made of similar materials.					



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Trading name:				
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

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

SECTIO	ON 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.					
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.		
	Measures to prevent aerosol and dust generation	Secure proper ventilation.			
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Th	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	npatibilities			
	Technical measures and storage conditions:	well ventil	htly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.		
	Packaging materials:	Manufactu	ırer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away tightly clos	r from food and drink. Keep the containers sed.		
	Advices for storage equipment:	must be re	e must be made of hard material; floors esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper .		



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Tradi	ing name:			FAST GR	EEN F.C.I	F. CON	TRAST R	EAGENT		
Prod	uct code:	FGRK-OT-X** Date of		of compil	ation:	23 Dec	2022	Version:	4	
	Further in	formation	on storag	ge 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).					r
7.3	Specific e	nd use(s)	use(s)							
	Recommendations:				_					
	Industrial	sector spe	cific solu	tions:	-					
	•									
SECT	ION 8. Expos	sure contr	ols/perso	onal protection						
8.1	Control p	arameters								
			CAS No	Occupational exposure limit values/short term values		Biol	Biological limit values			
					ppm	mg	g/m³			
-				-	-		-		-	
Subst	ance name:	-								
EC No		_	CAS No)· -						
DNEL			C/15 140	· [
DIVE	-			In	dustrial					
Route		Act effect		Acute effect systemi		Chro			Chronic effect systemic	
Oral		-		-	-			-	•	
Inhala	ation	-		-	-			-		
Derm	al	-		-	-			-		
Critica	al physical pa	rameters:	solubility,	flammability, co	rrosivity:		_			
				Co	nsumer					
Route			ute t local	Acute effect systemi	ic	Chro effect			Chronic effect systemic	
Oral		-		-	-			-		
Inhala	Inhalation -		-	-			-			
Derm	al	-		-	-			-		
PNEC										
Enviro	onmental pro	tection tar	get		PNEC					
Fresh	water				no information available					
Fresh	Freshwater sediments			no information available						



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Trading name:	F.A	FAST GREEN F.C.F. CONTRAST REAGENT				
Product code:	FGRK-OT-X**	Date of compilation:	23 Dec 2022	Version:	4	

Marine w			no information available			
Marine se	ediments		no information available			
Food cha	in		no information available			
Microorg	anisms in sewage treatment		no information available			
Soil (agric	cultural)		no information available			
Air			no information available			
8.2	Evposure controls					
8.2.1.	Exposure controls Appropriate angineering control	.lc				
0.2.1.	Appropriate engineering contro	015	Lies the weeduct in well ventileted rooms. Lies nersonal			
	Substance/mixture related measure prevent exposure during identifications		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
	Structural measures to prevent exposure:		In accordance with Section 7.			
	Organisational measures to pre- exposure:	vent	Organization of work in order to reduce other worker's influence during work process.			
Technical measures to prevent exposure		exposure:	Secure proper workspace ventilation in order to keep osure: concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.			
8.2.2.	Personal protection equipment					
8.2.2.1.	Eye and face protection:	levels	glasses that stick to face (EN 166) or visor in case of lower of concentration in air; protective gas mask that covers the face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection	i				
	Hand protection:		otective gloves have to satisfy the specification of ation (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min			
	Other skin protection:	During every day work use cotton clothing (EN 340) and footwear, such as rubber boots (EN 20345) or shoes that entire foot. In case of spilling hazard, use clothing made impermeable material suitable for protection from liquid (Viton, PVC, himex) and footwear made from the same no				
8.2.2.3.	Respiratory protection:	with a	tive full face mask (EN 136) or half mask (EN 140) equipped filter for organic vapors, type "A" (boiling point >65°C) ng to EN 14387) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No info	ormation available			
8.2.3.	Environmental exposure control	ls				



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Trading name:		FAST GREEN F.C.F. CONTRAST REAGENT				
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Substance/mixture related measures to prevent exposure:	See Section 6
Structural measures to prevent exposure:	Use modern equipment.
Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
Technical measures to prevent exposure:	See Section 6

1	Information on basic physical and	chemical properties		
		Value	Method	
	Physical state:	liquid	No information available	
	Colour:	green	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	potentiometric measurement	
	Flammability:	No information available	No information available	
	Lover and upper explosion limit:	No information available	No information available	
	Flash point:	No information available	No information available	
	Auto-ignition temperature:	No information available	No information available	
	Decomposition temperature:	No information available	No information available	
	рН:	No information available	No information available	
	Kinematic viscosity:	No information available	No information available	
	Solubility:	No information available	No information available	
	Partition coefficient noctanol/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			

SECTION 10. Stability and reactivity	
10.1 Reactivity:	See subsections 10.3 through 10.5.



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Trading name:	F/	FAST GREEN F.C.F. CONTRAST REAGENT				
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4		

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

11.1 Information	n on hazard o	classes as defined in	n Regulation	(EC) No 1272	2/2008		
Acute toxi	city:						
Route of exposure:	Method	Species		0 ₅₀ /LC ₅₀ or 「E _{mix}	Exposure ti	me	Results
Oral:	-	No information available		_	No informatio available	n	-
Dermal:	-	No information available			No informatio available	n	-
Inhalation:	lation: - No information - No information available		n	-			
Ė							
Specific ta	T	xicity – single expo	sure (STOT	SE):			
	Specific effects			Target organ			Note
Oral:	No information available			No information available -			
Dermal:	No informa	tion available	No information available -				
Inhalation:	No informa	tion available	No information available -				
Aspiration	hazard:	No	o informatio	n available.			
ş		i .					
Irritation a	nd corrosion						
	Ехро	osure time	Species	Evaluatio	n Method		Note
Skin corrosion/irritation:	-	-		-	-	-	
Serious eye damage/irritation	-	-		-	-	-	
Sensitizati	on						
Skin sensitization:	-						
Respiratory sensitiz	ation: -						



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Trading name:	F/	FAST GREEN F.C.F. CONTRAST REAGENT				
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7 1	ms rel	ated to the ph	nysical, chemic	al and toxicolog	gical characterist	ics	
Oral exposure:		No informati	on available.				
Dermal exposure	: :	No informati	on available.				
Inhalation expos	ure:	No informati	on available.				
Eye exposure:		No informati	on available.				
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chronic)			
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No avail	information able	No information available	No information available	No information available	No information available	-
Subacute dermal	No avail	information able	No information available	No information available	No information available	No information available	-
Subacute inhalation	No avail	information able	No information available	No information available	No information available	No information available	
Subchronic oral	No avail	information able	No information available	No information available	No information available	No information available	-
Subchronic dermal	No avail	information able	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No avail	information able	No information available	No information available	No information available	No information available	-
Chronic oral	No avail	information able	No information available	No information available	No information available	No information available	-
Chronic dermal	No avail	information able	No information available	No information available	No information available	No information available	-
Chronic inhalation	No avail	information able	No information available	No information available	No information available	No information available	-



Subacute oral

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No information available

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Trading name:	F.A	FAST GREEN F.C.F. CONTRAST REAGENT				
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4		

No information available

Subacut	e dermal	nal No information available		No information available	-	
Subacut	e inhalation	No information available		No information available	-	
Subchro	nic oral	No information available		No information available	-	
Subchro	nic dermal	No information available		No information available	-	
Subchro	nic inhalation	No information available		No information available	-	
Chronic	oral	No information available		No information available	-	
Chronic	dermal	No information available		No information available	-	
Chronic	inhalation	No information available		No information available	-	
	CMR effects (c	arcinogenicity; mutagenicity; re	Based on av	xicity) vailable data, the classifica	ition criteria are not	
	Mutagenicity i		met. Based on available data, the classification criteria are not met.			
	Genotoxicity:		Based on available data, the classification criteria are not met.			
	Mutagenicity i	n vivo:	Based on available data, the classification criteria are not met.			
	Germ cell muta	agenicity:	Based on available data, the classification criteria are not met.			
	Reproductive t	oxicity:	Based on av	vailable data, the classifica	tion criteria are not	
	Summary of properties:	evaluation of the CMR	Based on ava	ailable data, the classificat	ion criteria are not	
11.2.	Information or	other hazards:				
11.2.1.	Endocrine disr	upting properties:	-			
	Based on avai endocrine disr	lable data, does not contain uptors.	_			
11.2.2.	Other informat	tions:				
	_					

SECTION 12. Ecological information						
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note



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Trading name:	F.A	AST GREEN F.C.F. CON	TRAST REAGENT		
Product code:	FGRK-OT-X**	Date of compilation:	23 Dec 2022	Version:	4

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	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
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	-
		_	_	_	_	_

Abiotic degradation

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

			on

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



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Trading name: FAST GREEN F.C.F. CONTRAST REAGENT												
Produ	ıct code:	FGRK	-OT-X**		Date	of co	mpilati	on: 23 Dec	2022		Version:	4
12.3	Bioaccum	ılative p	ootential									
		-	rtition coeff	icient (log Kow)						
Valu	ue Coi	ncentra	tion p	Н	°C	М	ethod	Evalu	ation		Note	
-	-		-		-	-		-		-		
	Pioconcon	tration	factor (BCF)									
,	Value	tiation	Species		<u> </u>	Method		Evaluati	on		Note	
	ormation	No	inform	ation	No info	ormatio	on	No informati				
availab	ole	availal	ole		availab	le		available		-		
	Chronic ed	otoxicit	tv									
				Exp	osure				- I			
	Value		Dose	-	ime	Sp	ecies	Method	Evail	ıation	Note	
Chroni	ic toxicity on	fish	LC ₅₀	No information		No infor	mation	No information	No inform	ation	_	
Cilioni	ic toxicity on	11311	LC50	avail		availa		available	availab			
Chroni	ic toxicity on			No		No		No	No			
crusta	cea (<i>Daphnia</i>)	EC ₅₀	avail	mation able	availa	mation able	information available	inform availab		-	
			<u> </u>	1		<u>I</u>		<u>i</u>	<u> </u>		·	
12.4	Mobility in	soil										
	Known or	predict	ed distributi	on in e	environm	ental o	compart	ments:				
	No inform		/ailable									
	Surface te	nsion:										
	Value		°C	С	oncentra	ition		Method			Note	
	No informatio	No n inf	o formation		informa	tion		ormation	_			
	available	av	ailable	ava	ilable		availal	oie				



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Trading name:		FAST GREEN F.C.F. CONTRAST REAGENT		
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

Ad	sorption / desorption					
Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note	
Soil-water	No information available	No information available	No information available	No information available	-	
Water-air	No information available	No information available	No information available	No information available	-	
Soil-air	No information available	No information available	No information available	No information available	-	
	sults of PBT and vPvB asses sed on available data, the p		t contain any PRT or y	PvR substances		
Das	sea on available data, the p		- Contain any 1 bi or v	T VD Substances.		
12.6. End	docrine disrupting properti	ies				
			docrine disruptors.			
	Based on available data, does not contain endocrine disruptors.					
12.7. Otl	her adverse effects					
No	information available					
SECTION 1	3. Disposal consideration	s				
13.1 V	Vaste treatment methods					
	Product/Packaging disposa					
	Submit for disposal to the learning of the lea	egal person aut	horized by the Ministr	y of Environmental	and Nature	
13.1.2. V	Vaste codes/waste designa	tions according	to Law:			
	5 01 10*: Packaging that c ubstances	ontains residual	hazardous substance	s or is contaminate	d with hazardous	
	Vaste treatment – relevant	information:				
١	lo information available					
13.1.4. S	iewage disposal – relevant	intormation:				



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	Waste must not be disposed of into the sewage system.					
13.1.5.	Other disposal recommendati	ons:				
	authorized by the ministry in o	t's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit is authorized by the ministry in charge.				
13.1.6.	Relevant Community provision	ns:				
	-					
SECTION	I 14. Transport information					
	Transporting/shipment by road	(ADR)				
UN numl	per:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing o	group:	-				
Environm	nentally hazardous:	_				
Special p	recautions for user:	-				
	Transporting/shipment by rail (F	RID)				
UN numl	oer:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing (group:	-				
Environm	nentally hazardous:	-				
Special p	recautions for user:	-				
	Inland waterway transport (ADN					
UN numl	per:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing (group:	-				
Environm	nentally hazardous:	-				
Special p	recautions for user:	-				
,	Transporting/shipment by sea (I	MDG)				
UN numl	per:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing group:		_				



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

15.1 S	afety, health and envir	onmental regulations/legislation specific for the substance or mixture
E	U regulations	
А	authorization and/or re	estrictions of use
A	uthorizations:	-
R	Restrictions:	-
0	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 Counce 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 2006 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).



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

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

ANNEX: Exposure scenario resulting to chemical safet	y assessment
-	



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

SECTIO	SECTION 2. Hazards identification			
2.1	Classification of the substance or mixture			
2.1.1	Classification according to Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and ca	tegory code:	Hazard statements*:	
	Skin Corr. 1A		H314	
	STOT SE 3		H335	
2.1.2.	Additional information			
	-			
*For fu	ıll text of Hazard- and EU Haza	ard-statements: see	SECTION 16	
2.2	Label elements			
	Product identification:	HCL REAGENT,	FEULGEN	
	Identification number:	ification number: -		
	Authorization number:	Authorization number: -		



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	Hazard pictograms:	GHS05 GHS07		
	Signal word:	Danger		
	Hazard statements:	H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.		
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye/protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/attention.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	Endocrine Disrupting Properti	Endocrine Disrupting Properties:		
	No known endocrine disrupting properties.			

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)
7647-01-0/ 231-595-7/ 017-002-00-2	01-2119484862-27- xxxx	40 - 45 %	hydrochloric acid, 37%	Skin Corr. 1A; H314 STOT SE 3; H335

SECT	SECTION 4. First aid measures		
4.1	Description of first aid measures		
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.	
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	



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	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 mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider:	-
4.2 Most important symptoms and effects, both acute and delayed		fects, both acute and delayed
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.
	Indication of any immediate medical attention and special treatment needed	

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 with full jet	
5.2	Special hazards arising from the substance or mixture		
	Hazardous combustion products:	Formation of toxic gases is possible during heating or in case of fire.	
5.3	Advice for firefighters		
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.		
5.4	Additional information		
	Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. Do not contaminate the environment with extinguishing media.		

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



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	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Use protective equipment; in ((see Section 8).	case of inadequate ventilation use adequate airways protective equipment		
6.2	Environmental precautions:			
	Do not dispose of in sewage, Protection and Rescue Director	drainage system and waterways. In case of large spillage contact National orate (NPRD) on 112.		
6.3	Methods and material for con	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	Cleaning up:	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 and involved materials with water.		
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.			

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



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

SECTION 8. Ex	SECTION 8. Exposure controls/personal protection										
8.1 Contro	ol para	ameters									
Substa	Substance		CAS No			Occupational exposure limit values/short term values			Biological limit values		
						рр	m	r	mg/m³		
Hydrogen chlo	ride		764 ⁻	7-01-0		5/1	0		8/15	-	
Substance nam	ne:	-									
EC No:		-	CAS No	:	-						
DNEL											
						Indus	trial				
Route of		Acu	ıte		Acute	e		Ch	ronic		Chronic
exposure:		effect	local	effe	ct syst	temic		effe	ct local		effect systemic
Oral	-			-			1				-
Inhalation		-		-			-				-
Dermal	-			-			-				-
Critical physica	Critical physical parameters: solubility, flammability, corrosivity:										
	Consumer										
Route of		Ac	cute		Acute	e		Ch	nronic		Chronic
exposure:		effec	t local	effe	ct sys	temic		effe	ct local		effect systemic



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			:			:	·	
Oral		-	-	-	-			
Inhalation		-	-	-	-			
Dermal		-	-	-	-			
PNEC								
Environmen	ital prot	ection target		PNEC				
Fresh water				no information a	vailable			
Freshwater	sedimer	nts		no information a	vailable			
Marine wate	er			no information a	vailable			
Marine sedi	ments			no information a	vailable			
Food chain				no information a	vailable			
Microorgan	isms in	sewage treatment		no information a	vailable			
Soil (agricul	tural)			no information a	vailable			
Air				no information available				
8.2	Exposu	ire controls						
8.2.1.	Appro	priate engineering co	ontrols					
	Substa	nce/mixture related	measures to	•	in well ventilated ro	•		
		it exposure during ic		protective equipment. Do not eat, drink or smoke in the workspace.				
	Structi	ural measures to pre	vont	workspace.				
	exposi	•	VEIIL	In accordance with Section 7.				
	······	isational measures to	prevent	Organization of work in order to reduce other worker's				
	exposi		•	influence during work process.				
				Secure proper workspace ventilation in order to keep				
	Techni	cal measures to prev	ent exposure:		rels in air below per		cure	
8.2.2.	Dorson	al protection equips	nent	Stations for finsing	g eyes and showeri	ng.		
0.2.2.	Person	al protection equipr		alaccoc that stick t	o face (EN 166) arm	icor in case of la	W/05	
8.2.2.1.	Eye an	d face protection:		_	o face (EN 166) or v air; protective gas ı			
	<i>y</i> = -	1			ner levels of concen		-	
8.2.2.2.	Skin pı	rotection	-					
					e to satisfy the spe			
			Regula		and the related sta	andard EN 374.		
	Hand p	orotection:		Glove material: nitrile rubber				
				Glove thickness: 0.40 mm Time until perforation: > 480 min				
				time until perfora	ation: > 480 min			



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	Other skin protection:	During everyday work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.
8.2.2.4.	Thermal hazards:	No 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	

.1	Information on basic physical and chemical properties				
		Value	Method		
	Physical state:	liquid	No information available		
	Color:	transparent	No information available		
	Odour/odour threshold:	biting/no information available	No information available		
	Melting point / freezing point:	No information available	No information available		
	Boiling point or initial boiling point and boiling range:	No information available	No information available		
	Flammability:	No information available	No information available		
	Lover and upper explosion limit:	No information available	No information available		
	Flash point:	No information available	No information available		
	Auto-ignition temperature:	No information available	No information available		
	Decomposition temperature:	No information available	No information available		
	pH:	No information available	No information available		
	Kinematic viscosity:	No information available	No information available		
	Solubility:	No information available	No information available		
	Partition coefficient noctanol/water (log value):	No information available	No information available		



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	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		
	-		

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

11.1	Information	on on toxicological effe	ects				
	Acute tox	icity:					
Route o exposur		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	-	_	
	Specific to	arget organ toxicity – si	ingle exposure	(STOT SE):			
		Specific et	ffects	Target orga	n	Note	
Oral:		No information avail	lable	No information avail	lable -		
Dermal:		No information avail	lable	No information available -			
	nalation: No information available		lable	No information avail	lable -		
Inhalatio		1		'	:		
Inhalatio							



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		Exposur	e time	Species	Evaluation	Method	Note
Skin corrosion/irritation	on:	-	-		-		
Serious eye damage/irritation	1	-	-		-		
Sensitiza	ation						
Skin sensitization	n:	No inf	ormation avail	able.			
Respiratory sensi	tizatio	on: No inf	ormation avail	able.			
Sympto	mc ro	lated to the pl	veical chamic	al and toxicolog	rical characteri	rtics	
Oral exposure:	1113 16	No informati	•	ai ailu toxicolog	gical characteris	Stics	
Dermal exposure	·:	No informati					
Inhalation exposi		No informati					
Eye exposure:		No informati					
		:					
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chronic)			
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral		information lable	No information available	No information available	No information available	No information available	-
Subacute dermal	No avai	information lable	No information available	No information available	No information available	No information available	-
Subacute inhalation	No avai	information lable	No information available	No information available	No information available	No information available	-
Subchronic oral	ic 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		information lable	No information available	No information available	No information available	No information available	-



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Chronic dermal	No availa	information able	No information available	No information available	No information available	No information	on -	
Chronic inhalation	No availa	information able	No information available	No information available	No information available	No information available	on -	
6				(6707	DE)			
Specific	target	organ toxicit	· · · · · · · · · · · · · · · · · · ·	exposure (STOT			N 1 .	
6.1	Subacute oral No information available				Target o		Note	
Subacute oral No information available Subacute dermal No information available					No information		-	
Subacute derma					No information		-	
	Subacute inhalation No information available				No information		-	
	Subchronic oral No information available				No information		-	
	Subchronic dermal No information availa				No information		-	
Subchronic inhalation No information availab					No information		-	
Chronic oral			ition available			No information available -		
Chronic dermal			tion available		No information		-	
Chronic inhalati	on	No informa	ition available		No information	n available	-	
CMD	· · · ·							
			y; mutagenicit	y; reproductive				
	genicity			Based on available data, the classification criteria are not met.				
	enicity <i>ii</i>	n vitro:		Based on available data, the classification criteria are not met.				
Genoto	·····			Based on available data, the classification criteria are not met.				
9	enicity <i>ii</i>			Based on available data, the classification criteria are not met.				
		agenicity:		Based on available data, the classification criteria are not met.				
Reprod	luctive t	oxicity:		Based on avail	able data, the cla	ssification c	criteria are not met.	
Summa proper	,	evaluation	of the CN	MR Based on met.	available data, t	the classifica	ation criteria are not	
11.2 Informa	ation or	other hazard	ds:					
		upting prope						
No kno	wn end		ting propertie	?S				
11.2.2. Other i	nformat	tions:		·				
_								



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12.1 Toxicit	У						
Acute (short-te toxicity	rm)	Dose	Exposur time	e Species	Method	Evaluation	n Note
Fish		LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea: EC ₅₀		EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants		IC ₅₀	4 days	No information available	No information available	No information available	-
Other organism	าร	-	-	-	-	-	-
Chronic (long-t toxicity	erm)	Dose	Exposur time	e Species	Method	Evaluation	n 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 p	olants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organism	าร	_	-	-	-	-	-
12.2 Persist	ence ar	nd degradab	ility				
Abioti	c degra						
	De	gradation ha	IIf-lives	Method	Evaluation		Note
Marine water	No in	nformation a	vailable	No information available	No information available	on -	
Fresh water No information available		vailable	No information available	No information available	on -		
Air	No information available		No information available	No informatio	on -		
Soil No information available		No information available	No information - available				



Trading name:

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	gradation		Time (days			1ethod			valuatio			Note	
No info availabl	rmation e	No ava	inforr ailable	mation	No info	ormatic ole		No information available		n	No information available		
12.3.	Bioaccumu	ulative	potential										
	Octanol-w	ater pa	artition coef	ficient (log Kow)							
Valu	Value Concentra		ation p	Н	°C	Мє	thod		Evalu	ation		Note	
-	-		-		-	-		-			-		
	Bioconcen	tration	n factor (BCF)									
V	'alue		Species		١	Method		Evaluation		on		Note	
	No information No		inforn	nation	No info		n		formati	on	_		
available availal		able		availab	le		availa	available					
·····													
	Chronic ec	otovic	-i+v										
	Value	Otoxic	Dose		osure ime	Spe	ecies	Me	thod	Evalu	uation	Note	
Chronic	toxicity on	fish	LC ₅₀	No infor availa	mation able	No inforr availa	nation ble	No inforr availa	mation ible	No information available		-	
	toxicity on ea (<i>Daphnia</i>)	EC ₅₀	No infor availa	mation able	No inforr availa	nation ble	No inforr availa	mation ible	No inform availal		-	
12.4.	Mobility in	soil											
	Known or	predic	ted distribut	ion in e	environm	ental c	ompart	ments:					
	No inform	ation a	available										
	Surface te	nsion:											
	Value		°C	C	oncentra	tion		Meth	nod			Note	
	No informatio available	n ir	No nformation vailable		informa iilable	tion	No inf availab	ormation of the second	on	-			



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A	dsorption /					
Transport		coefficient y's constant	log Kow	Evaporation rate	Method	Note
Soil-water	No available	information	No information available	No information available	No information available	-
Water-air	No available	information	No information available	No information available	No information available	-
Soil-air	No available	information	No information available	No information available	No information available	-
12.5. R	esults of PB1	Tand vPvB asse	ssment			
N	lot applicabl	e.				
12.6. E	ndocrine dis	rupting propert	ies			
N	lo known en	docrine disrupti	ng properties that	affect the environr	ment.	
	ther adverse					
N	lo further rel	evant informati	on available.			
CECTION	12 Diamasa	l asmaidsvatism				
13.1		l consideration	<u> </u>			
13.1	waste treat	ment methods				
13.1.1.	Product/Pag	ckaging disposa	l:			
	Submit for o	disposal to the I	egal person autho	rized by the Minist	ry of Environmental	and Nature
:						
13.1.2.	Waste code	s/waste designa	ations according to	Law:		
	15 01 10*: P substances	Packaging that c	ontains residual h	azardous substance	es or is contaminate	ed with hazardous
-						
13.1.3.	Waste treat	ment – relevant	information:			
***************************************	No informa	tion available				
424	6					
13.1.4.	Sewage disp	posal – relevant	information:			



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	Waste must not be dispo	sed of into the sewage system.					
13.1.5.	Other disposal recommer	ndations:					
	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.						
13.1.6.	Relevant Community pro	visions:					
	Disposal must be made a	ccording to official regulations.					
SECTIO	N 14. Transport information	on					
	Transporting/shipment by	road (ADR)					
UN num	nber:	1760					
UN prop	per shipping name:	Corrosive liquid, n.o.s. (Hydrochloric acid)					
Transpo	rt hazard class(es):	8					
Packing	group:	III					
Environi	mentally hazardous:	-					
Special	precautions for user:	-					
	Transporting/shipment by	rail (RID)					
UN num	nber:	1760					
UN prop	per shipping name:	Corrosive liquid, n.o.s. (Hydrochloric acid)					
Transpo	rt hazard class(es):	8					
Packing	group:	III					
Environi	mentally hazardous:	-					
Special	precautions for user:	-					
	Inland waterway transport	(ADN)					
UN num	nber:	1760					
UN prop	per shipping name:	Corrosive liquid, n.o.s. (Hydrochloric acid)					
Transpo	rt hazard class(es):	8					
Packing	group:	III					
Environ	mentally hazardous:	-					
Special	precautions for user:	-					
	Transporting/shipment by	sea (IMDG)					
UN num	nber:	1760					
UN prop	per shipping name:	Corrosive liquid, n.o.s. (Hydrochloric acid)					
Transpo	rt hazard class(es):	8					
Packing	group:	III					



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Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (ICA	AO-TI/IATA-DGR)
UN number:	1760
UN proper shipping name:	Corrosive liquid, n.o.s. (Hydrochloric acid)
Transport hazard class(es):	8
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

15.1 Safety, health and e	Safety, health and environmental regulations/legislation specific for the substance or mixture		
EU regulations			
Authorization and/o	r restrictions of use		
Authorizations:	-		
Restrictions:	-		
Other EU regulation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/9 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EE 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 200 on the limitation of emissions of volatile organic compounds due to the use of organs solvents in certain paints and varnishes and vehicle refinishing products an amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safe 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 1 December 2008 on classification, labelling and packaging of substances and mixture amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);		



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

SECTIO	ON 16. Other information		
16.1	Indication of changes:	-	
16.2	Abbreviations and acronym	PBT vPvB s: LD ₅₀ LC ₅₀ TCOJ	Lethal concentration, 50%
16.3.	Key literature references an source of data:	d	
16.4.	6.4. Classification and procedure us 1272/2008 (CLP)		derive the classification for mixture according to Regulation (EC)
Classifi -			cation procedure
16.5.	Relevant H statements (nun	nber and f	ull text)
	H: H314 H335		severe skin burns and eye damage. use respiratory 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.	

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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Trading name:	SODIUM METABISULFITE, SOLUTION FOR FEULGEN			
Product code:	NH-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

		the substa	ance/mixture a	nd of the company/undertaking
1.1.	Product identifier		_	
	Trading name:	SODIUM	1 METABISULFIT	E, SOLUTION FOR FEULGEN
	Chemical name:	-		
	Catalogue number:	NMF-O	Γ-X**	
1.2.	1.2. Relevant identified uses of the substance or mixture and uses advised againstUses: For use with Feulgen staining kit.		ture and uses advised against	
			For use with F	eulgen staining kit.
	Uses advised against:		Only the iden	tified uses are advised.
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes	
1.3.	Details of the supplie	Details of the supplier of the safety data sheet		
	Supplier:		BioGnost Ltd.	
	Address:		Medjugorska 59, Zagreb	
	Telephone number:		+385 1 2409997	
	Fax no.:		+385 1 2404039	
	e-mail of competent	person:	msds@biogno	<u>st.hr</u>
	e-mail of competent National contact:	person:	msds@biogno	<u>st.hr</u>
1.4.				st.hr
1.4.	National contact:	e number	-	<u>st.hr</u> 112
1.4.	National contact: Emergency telephone	e number	-	

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 ful	I text of Hazard- and EU Hazard-sta	atements: see Sec	tion 16		
2.2.	Label elements				
	Product identification:	SODIUM META	BISULFITE, SOLUTION FOR FEULGEN		
	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)			
7681-57-4/ 231-673-0/ 016-063-00-2	-	0.2 – 0.5 %	sodium metabisulfite	Acute Tox. 4, H302 Eye Dam. 1; H318 EUH031			

SECTI	ON 4. First aid measures			
4.1.	Description of first aid measu	res		
	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 aid	er: Treat symptomatically.		
4.2.	Most important symptoms an	d effects, both acute and delayed		
	FOILOWING INNSISTION.	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.		
	FUIIOWING 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 immediate medical attention and special treatment needed				
	-				

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

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



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

SECTIO	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.			
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.			
	Measures to protect the environment: Other measures:	Prevent spilling into the sewage system and waterways.			
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2.	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a we ventilated storage rooms, and away from sources of hea sunlight, and other incompatible substances.			
	Packaging materials:	Manufacturer's original packaging.			
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.			
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.			
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).			
7.3.	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			



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



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

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



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

SECTIO	SECTION 10. Stability and reactivity				
10.1.	Reactivity:	See subsections 10.3 through 10.5.			
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.			
10.3.	Possibility of hazardous reactions:	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			
	Acute toxicity:			



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Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposu time	RACILITS
Oral exposure:	No information available	-	LD ₅₀	_	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	_	-
Specific ta	rget organ toxicity – s	ingle exposure	(STOT SE):		
	Specific	effects	Target organ		Note
Oral exposure:	No information	available	No information available	_	
Dermal exposure:	No information	available	No information available	_	
Inhalation exposure: No information		available	No information available	-	
Respirator	y irritation:	No inf	ormation available		
: ·	y irritation: Ind corrosion	No info	ormation available		
: ·	•	No info	ormation available Evaluation	Meth od	Note
: ·	nd corrosion			od	Note -
Irritation a	nd corrosion Exposure time	Species	Evaluation	od -	
Irritation a Skin irritation:	Exposure time -	Species -	Evaluation -	od -	_
Skin irritation: Eye irritation: Sensitization	Exposure time -	Species - -	Evaluation -	od -	_
Irritation a Skin irritation: Eye irritation:	Exposure time on	Species lable	Evaluation -	od -	_
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	Exposure time on No information avai	Species lable	Evaluation -	od	_
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms	Exposure time on No information avai	Species lable lable	Evaluation -	od	_
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	Exposure time On No information avai No information avai	Species lable lable al, chemical and vailable	Evaluation -	od	_
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	Exposure time on No information avai No information avai No information a No information a	Species lable lable al, chemical and vailable vailable	Evaluation -	od	_



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

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



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Chronic inhalation No informat		No informat	tion available	No information available	-			
	CMR effects (, mutagenicity, r	eproductive toxicity)				
	Carcinogenic	ity:	Based on av	ailable 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 mu	tagenicity:	Based on av	ailable data, the classification criteria	are not met.			
	Reproductive	toxicity:	Based on av	Based on available data, the classification criteria are not met.				
11.2	Information on other hazards:							
11.2	Information on other hazards:							
	imormation c	on other hazard	ls:					
11.2.1.	Endocrine dis	rupting proper	ties:					
	The substate contain contain contain contain according to Commission 2017/2100 o	rupting proper	ties: does not sidered to properties ele 57(f) or ulation (EU) Regulation					
	The substate contain conhave endocraccording to Commission 2017/2100 of (EU) 2018/60	rupting proper ince/mixture inponents con ine disrupting o REACH Artic Delegated region or Commission of at levels of	ties: does not sidered to properties ele 57(f) or ulation (EU) Regulation					

SECTION 12. Ecological information

12.1. Toxicity

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



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Trading name:	SODIUM METABISULFITE, SOLUTION FOR FEULGEN					
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Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12.2. Persistence and degradability

Abiotic degradation

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

				ion	

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

12.3. Bioaccumulative potential

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

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

Bioconcentration factor (BCF)



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	Value		Species	M	ethod	Evaluation		Note	
No information available		No ava	informati ilable	on No inform available			No information available		ilable
	Chronic	ecotox	icity						
	Value		Dose	Exposure time	Species	Method	Evalua	ation	Note
Chroni	ic toxicity c	n fish	LC ₅₀	No information available	No information available	No information available	No inforr available		-
	ic toxicity c cea (<i>Daphn</i>		EC ₅₀	No information available	No information available	No information available	No information available		_
12.4.	Mobility	in soil							
	17	11							
				on in environm	nental compar	tments:			
	No infor	mation	available	on in environm	nental compar	tments:			
	No infor	mation	available :						
	No infor	mation tension	available c	on in environm Concentra		tments: Method		N	ote
	No infor	mation tension e	available :		ition		able -		ote
	No infor Surface Value No informat	mation tension e	°C No information	Concentra No informa	ition	Method	able -		ote
	No infor Surface to Value No informat available	mation tension e	°C No information	Concentra No informa	ition	Method	able -		ote
Transp	No information available Adsorption of the surface	tension e tion A/D co	available "C No information available	Concentra No informa	tion No in	Method			ote
Transp Soil-w	No information available atter No	tension e tion A/D co	available C No information available esorption pefficient	Concentra No informa available	tion No in	Method formation avail		ethod	
	No information of the second o	ion / de A/D co	available C No information available esorption pefficient s constant	Concentra No informa available log Kow No information	tion No in Evapo No informavailable	Method formation avail pration rate mation	Me No inforr	ethod mation mation	Note



Trading name:

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rrading						
Product	code:	NH-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	
12.5.	Results of	PBT and vPvB assessn	nent			
	The substa	nce/mixture does not	t contain components considere or Commission Delegated regu			
12.6.	Endocrine	disrupting properties				
	The substa	ince/mixture does not	t contain components considere) or Commission Delegated regu els of 0.1% or higher.			
12.7.	Other adve	erse effects				
	No inform	ation available				
SECTION	l 13. Dispo	osal considerations				
13.1.		eatment methods				
13.1.1.	Product/	Packaging disposal:				
	Submit f Protection		al person authorized by the Min	istry of Environme	ental and Nature	
13.1.2.	Waste co	odes/waste designatio	ons according to Law:			
	No infor	mation available				
13.1.3.	Waste tr	eatment – relevant in	formation:			
13.1.3.		mation available	omation.			
	1					
13.1.4.	Sewage	disposal – relevant inf	formation:			
	Waste m	ust not be disposed o	of into the sewage system.			
13.1.5.	Other dis	sposal recommendati	ons:			
	authorize the pack	ed by the ministry in o	t's remains into the sewage syste charge. Do not dispose of the pa s authorized by the ministry in c	ackaging into the s	sewage system. S	ubmit
13.1.6.	Relevant	Community provision	ns:			
	_					
_						



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SECTION 14. Transport information				
Transporting/shipment by road (ADR)				
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Transporting/shipment by rail (R	ID)			
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Inland waterway transport (ADN				
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Transporting/shipment by sea (II	MDG)			
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Transporting/shipment by air (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 us	er:	-
Further information:	-	

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

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



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

ANNEX:

Exposure scenario resulting to Chemical safety assessment

-



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Trading name:	SODIUM THIOSULFATE, 2% SOLUTION			
Product code:	NT2-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

SECTI	ON 1. Identification of	the substa	nce/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trading name:	SODIUM	1 THIOSULFATE,	, 2% SOLUTION	
	Chemical name:	-			
	Catalogue number:	NT2-OT	-X**		
1.2.	.2. Relevant identified uses of the substance or mixture and uses advised against		cture and uses advised against		
	Uses:		For use with s	special staining kits.	
	Uses advised against:		Only the iden	tified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Fax no.:		+385 1 2404039		
	e-mail of competent p	person:	msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection a	nd Rescue	Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTION	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 cate	egory code:	Hazard statements*:	
	Not identified as hazardous	substance.	-	
2.1.2.	Additional information			
	-			
*For fu	ıll text of Hazard- and EU Hazar	rd-statements: see :	Section 16	
2.2.	Label elements			
	Product identification:	SODIUM TH	OSULFATE, 2% SOLUTION	
	Identification number:	-		
	Authorization no.:	-		
	Hazard pictograms:	-		



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Trading name:	SODIUM THIOSULFATE, 2% SOLUTION			
Product code:	NT2-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

	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)					
7772-98-7/ 231-867-5/ -	-	2 %	sodium thiosulphate	not classified					

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



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Trading name:	SODIUM THIOSULFATE, 2% SOLUTION						
Product code:	NT2-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			

	Following eye contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested. According to our findings, chemical, physical and toxicological properties of			
Following ingestion:		the substance have not been entirely tested.			
4.3.	Indication of any immediate 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, protect	ve equipment and emergency procedures				
6.1.1.	For non-emergency personne					
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. 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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Trading name:	SODIUM THIOSULFATE, 2% SOLUTION						
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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.
6.3.3.	Other information:	-
6.4.	Reference to other sections	
	-	

SECTIO	ON 7. Handling and storage						
7.1.	Precautions for safe handling						
7.1.1.	Protection measures						
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.					
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.					
	Measures to protect the environment: Other measures:	Prevent spilling into the sewage system and waterways.					
7.1.2.	Advice on general occupational hygiene:						
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.						
7.2.	Conditions for safe storage, including any incompatibilities						
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.					
	Packaging materials:	Manufacturer's original packaging.					
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.					
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.					
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).					
7.3.	Specific end use(s)						
	Recommendations:	-					
	Industrial sector specific solutions:	-					



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SECTION 8. Exposure controls/personal protection									
8.1. Control para									
Substance		CAS 1			cupational exposure limit alues/short term values		Biological limit values		
					ppm	mg/m³			
-		-			-	-	No information available		
Substance - name:									
EC No: -		CAS No:	-						
DNEL									
				Inc	dustrial				
Route of	<i> </i>	Acute		Acut	е	Chronic	Chronic		
exposure:	effe	ect local	effe	ct sys	temic	effect local	effect systemic		
Oral	-		-			-	-		
Inhalation	-		-			-	-		
Dermal	-		-			-	-		
Critical physical parar	meters: s	solubility, fla	ımmabilit	ty, cor	rosivity:	-			
				Co	nsumer				
Route of	/	Acute		Acut	e	Chronic	Chronic		
exposure:	effe	ect local	effe	ct sys	temic	effect local	effect systemic		
Oral	-		-			-	-		
Inhalation	-		-			-	-		
Dermal	-		-			-	-		
PNEC									
Environmental protect	ction tar	get			PNEC				
Fresh water					No information available				
Freshwater sediments	S				No information available				
Marine water				No information available					
Marine sediments			No information available						
Food chain					No information available				
Microorganisms in sewage treatment					No information available				
Soil (agricultural)	Soil (agricultural)				No information available				
Air					No information available				



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8.2.	Exposure controls				
8.2.1.	Engineering measures				
	Substance/mixture related measures to prevent exposure during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to pr exposure:	event	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to pre exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equip	ment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	Skin protection				
			ndard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long s (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a cor organic vapors, type "A" (boiling point >65°C) acording to EN) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation available		
8.2.3.	Environmental exposure of	controls			
	Substance/mixture related measures to prevent expo		See Section 6		
	Structural measures to pr exposure:	event	Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to pre exposure:	event	See Section 6		

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



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

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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Trading name:	SODIUM THIOSULFATE, 2% SOLUTION				
Product code:	NT2-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

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	-	-
nhalation No information - xposure: available		LC ₅₀	-	-	
Specific tar	get organ toxicity – s	single exposure	e (STOT SE):		
<u> </u>	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	-	
Irritation ar	nd corrosion				
		<u> </u>	Evaluation	Meth od	Note
	Exposure time	Species			
Skin irritation:	- Exposure time	Species -	-		
Skin irritation: Eye irritation:	•	•			
		-	-		
Eye irritation:		-	-		
Eye irritation: Sensitizatio	- - on	- - ilable	-		
Sensitization Dermal exposure: Inhalation exposure:	n No information ava	- ilable	-		
Sensitization Dermal exposure: Inhalation exposure: Symptoms	n No information ava	ilable ilable	-		
Sensitization Dermal exposure: Inhalation exposure:	No information ava	ilable ilable al, chemical an	-		
Sensitization: Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	No information ava	ilable ilable al, chemical an	-		



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Trading name:	SODIUM THIOSULFATE, 2% SOLUTION				
Product code:	NT2-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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

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



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Chronic	inhalation	No informat	ion available	No information available	-	
	CMR effects (carcinogenicity	, mutagenicity, r	eproductive toxicity)		
	Carcinogenicity: Based or			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 mut	agenicity:	Based on av	railable data, the classification criteria	are not met.	
	Reproductive	toxicity:	Based on av	ailable data, the classification criteria	are not met.	
11.2	Information o	n other hazard	s:			
11.2		n other hazard rupting proper				
	The substar contain com have endocri according to Commission I 2017/2100 or		does not sidered to properties le 57(f) or ulation (EU) Regulation			
11.2.2.	Other informa	ntions:				
	-					

SECTION 12. Ecological information

12.1. Toxicity

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



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

12.2. Persistence and degradability

Abiotic degradation

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

Biodegradation

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

12.3. Bioaccumulative potential

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

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

Bioconcentration factor (BCF)



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	Value	alue Species		Me	ethod	Evaluation	Note		
No information available		No availa	informati able	on No inform available			No information available		ailable
	Chronic	ecotoxic	ity						
	Value		Dose	Exposure time	Species	Method	Evaluation		Note
Chroni	c toxicity o	n fish	LC ₅₀	No information available	No information available	No information available	No information available		-
	c toxicity o		EC ₅₀	No information available	No information available	No information available	No information available		-
12.4.	Mobility	in soil							
		111 \(\cdot \)							
12.4.	-		tad distributi	on in environm	ental compart	ments:			
12.4.	Known c	or predic		on in environm	ental compart	ments:			
12.4.	Known o	or predic		on in environm	ental compart	ments:			
12.4.	Known c	or predic mation a tension:		on in environm		ments:		N	ote
12.4.	Known of No infor	mation attension: B N Sion in	available		tion		able	N	ote
12.4.	Known of No informat available	mation attension: e N ion in a	°C Io Iformation vailable	Concentra No informat	tion	Method	able		ote
Transp	No information available	mation attension: e ion / des A/D coe	°C lo nformation vailable sorption	Concentra No informat	tion cion No inf	Method			
	No informat available Adsorption No	mation attension: e Note ion in attension A/D coefficients Henry's of the second s	°C Io Information vailable sorption efficient	Concentra No informat available	tion No inf	Method formation availa		- Method ormation	ote Note
Transp	No informat available ort No available No av	in prediction attension: E Sion / des A/D coe Henry's of	°C lo nformation vailable sorption efficient constant	Concentra No informat available log Kow No information	tion No inf Evapo No inform available	Method Formation availation rate nation	No info	- Method ormation ole ormation	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
12.7.	No information available
	140 IIIOIIIatioii available
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
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:
13.1.3.	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:
	-



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

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

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

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



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16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
	12 1th 1 C	very reisistent and very bloaccumulative		
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	Classification Classification procedure			
		-		
16.5.	Relevant H statements (numb	per and full text)		
	H: -	-		
16.6.	Training advice:	-		
the		** "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		
10.7.	Turner information.	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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