

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

OIL RED O KIT

The kit contains:

Basic activation buffer Formaldehyde NB 4% Hematoxylin ML Oil Red O reagent



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Trading name:	BASIC ACTIVATION BUFFER			
Product code:	BAP-OT-X**	Date of compilation: 21 Dec 2022	Version: 4	

1.1.	Product identifier			
	Trading name:	BASIC AC	CTIVATION BU	JFFER
	Chemical name:	-	-	
	Catalogue number:	BAP-OT-	X**	
1.2.	Relevant identified use	s of the su	ıbstance or mi	xture and uses advised against
	Uses:		For use with	Oil Red O kit.
	Uses advised against:		Only the ide	ntified uses are advised.
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes	
1.3.	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.	
	Address:		Medjugorska 59, Zagreb	
	Telephone number:		+385 1 2409997	
	Fax no.:		+385 1 2404039	
	e-mail of competent p	erson:	msds@biognost.hr	
	National contact:		-	
1.4.	Emergency telephone	number		
	National Protection an	National Protection and Rescue Dire		112
	Medical information:			+385 1 2348 342
	Other information:			_

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and category	/ code:	Hazard statements*:			
	Not identified as hazardous subst	ance.	-			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-sta	atements: see S	Section 16			
2.2.	Label elements					
	Product identification:	BASIC ACTIVA	ATION BUFFER			
	Identification number: -					
	Authorization no.: -					
	Hazard pictograms:	-				



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	Signal word:	-
	Hazard statements:	-
	Precautionary statements:	-
	Further information:	-
2.3.		
2.5.	Other hazards	
2.3.	Endocrine Disrupting Propert	ties:
2.3.		

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

SECTI	ON 4. First aid measures			
4.1.	Description of first aid mea	asures		
	General notes:		-	
	Following inhalation:		No information available	
	Following skin contact:		No information available	
	Following eye contact: Following ingestion:		No information available	
			No information available	
	Self-protection of the first	aider:	Treat symptomatically.	
4.2.	Most important symptoms	and eff	fects, both acute and delayed	
	Following inhalation:	No i	information available	
	Following skin contact:	No i	information available	
	Following eye contact:	No i	information available	
	Following ingestion:	No i	No information available	
4.3.	Indication of any immedia	te 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	



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	Unsuitable extinguishing media: water jet
5.2.	Special hazards arising from the substance or mixture
	Hazardous combustion products: No information available
5.3.	Advice for firefighters
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.
5.4.	Additional information
	Remove sources of heat and ignition.
	Do not contaminate the environment with extinguishing media.

SECTIO	ON 6. Accidental release meas	ures		
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 (s	see Section 8).		
6.2.	Environmental precautions: Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Natic 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.		
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			
		about personal protective equipment.		
	See Section 13 for information about containment.			



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

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



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Trading n	iame:			BAS	SIC ACTIV	ATIO	N BUFFER		
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EC No:	-	CAS No:	-						
DNEL									
				Inc	lustrial				
Route of		Acute		Acute			Chronic	Chronic	
exposure:	<u> </u>	effect local		effect sys	temic		effect local	effect systemic	
Oral		-	-			-		-	
Inhalation		-	-			-		-	
Dermal		-	-			-		-	
Critical ph	ysical par	ameters: solubility, f	lamma	bility, cor	rosivity:	-			
				Coi	nsumer				
Route of		Acute		Acut	e		Chronic	Chronic	
exposure:	<u> </u>	effect local		effect sys	temic		effect local	effect systemic	
Oral		-	-			-		-	
Inhalation		-	-			-		-	
Dermal		-	-			-		-	
PNEC									
Environme	ental prot	ection target			PNEC				
Fresh wate	er				No inform	ation	available		
Freshwate	r sedimer	nts			No inform	ation	available		
Marine wa	ter				No inform	ation	available		
Marine sed	diments				No inform	ation	available		
Food chair	า				No inform	ation	available		
Microorga	nisms in	sewage treatment			No inform	ation	available		
Soil (agric		-			No inform	ation	available		
Air	<u> </u>				No inform				
					I				
8.2.	Exposu	ıre controls							
8.2.1.	•	oriate engineering c	ontrols						
		nce/mixture related			1				
	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 prevent exposure:					available			
	_	sational measures to t exposure:)	_	ization of work in order to reduce other worker's influence work process.				
		cal measures to prev	/ent	Secure	proper work	space	e ventilation in orde ir below permitted	•	



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8.2.2.	Personal protection equi	pment					
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.				
8.2.2.2.	Skin protection						
	Hand protection:		ective gloves must be according to the EU Directive 2016/425/EEC and dard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min				
	Other skin protection:		r antistatic clothing made of natural fibers (such as cotton) with long es (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	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 info	ormation available				
8.2.3.	Environmental exposure	controls					
	Substance/mixture relate measures to prevent exp		See Section 6				
	Structural measures to prexposure:	revent	Use modern equipment.				
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.				
	Technical measures to pr exposure:	event	See Section 6				

SECTION 9. Physical and chemical properties								
9.1.	Information on basic physical and chemical properties							
		Value	Method					
	Physical state:	liquid	No information available					
	Colour:	colorless	No information available					
	Odour/odour threshold:	No information available	No information available					
	Melting point / freezing point:	No information available	No information available					
	Boiling point or initial boiling point and boiling range:	No information available	No information available					
	Flammability:	No information available	No information available					
	Lower and upper explosion limit:	No information available	No information available					
	Flash point:	No information available	No information available					
	Auto-ignition temperature:	No information available	No information available					



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	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2.	Other information		
	=		·

SECTIO	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 toxicological effects									
Acute toxicity:									
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results				
Oral exposure:	No information available	-	LD ₅₀	-	-				
Dermal exposure:	No information available	-	LD ₅₀	-	-				
Inhalation exposure:	No information available	-	LC ₅₀	-	-				
Specific target organ toxicity – single exposure (STOT SE):									
	Specific e	ffects	Target organ	n	Note				



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Oral exposure: No information availal					No inform				-		
Dermal exposure		*	ition availab		No inform				-		
Inhalation exposi	ure:	No informa	ition availab	le	No inform	nation	ı availak	ole	-		
Respirat	ory irrit	tation:		No info	rmation av	ailabl	e				
Irritation	and co	orrosion									
IIIItatioi			o Sp.	ecies	Eval	uatio	n	Method	9 9 9 9 9 9	Not	to
Skin irritation:	_	Exposure tim	<u>e</u> 5p	ecies	- EVal	uatioi		-		INO	ie
Eye irritation:	_		_					_			
Lye iintation.	_				_			_			
Sensitiza	ation										
Dermal exposure	: No	information	available								
Inhalation	No	information	available								
exposure:											
Sympto	ms rela	ted to the ph	nvsical, chem	nical and	toxicologic	cal ch	aracteri	stics			
Oral exposure:		information									
Dermal exposure	: No	information	available								
Inhalation exposure:		information	available								
Eye exposure:	No	information	available								
	•										
Repeate	d dose	toxicity (sub	acute, subcl	nronic, cl	hronic)						
		Dose	Exposure time	Spec	cies	Metl	hod	Evaluatio	n	Note	e
Subacute oral	No i availa	nformation ble	No informatio available	No n infor avail	rmation able		matio ailable	No inform	nation	-	
Subacute dermal	No i availa	nformation ble	No informatio available	No n infor avail	rmation able		matio ailable	No inform	nation	-	
Subacute inhalation	No i availa	nformation ble	information i		No information information available			No inform	nation	-	
Subchronic oral	No i availa	nformation ble	No informatio available	No n infor avail	rmation able		matio ailable	No inform	nation	-	



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Subchronic dermal	No availa	information ble	No information available		rmation lable	No informatio n available	No infor available		-	
Subchronic inhalation	No availa	information lble	No information available		rmation lable	No informatio n available	No infor		-	
Chronic oral	No availa	information ble	No information available		rmation lable	No informatio n available	No infor		-	
Chronic derm	al No availa	information ble	No information available		rmation lable	No informatio n available	No infor		-	
Chronic inhalation	No availa	information ble	No information available		rmation lable	No informatio n available	No infor		-	
Spec	ific target		y – repeated e	xposu	re (STOT I					
		-	cific effects			Target organ			Note	
Subacute oral	I		ation available					-		
Subacute deri			ntion available						_	
Subchronic or			ation available				mation available -			
Subchronic de			ation available				mation available -			
Subchronic in			tion available					_		
Chronic oral			tion available				-			
Chronic derm	al	No informa	ition available				ole	_		
Chronic inhala			ntion available			mation availab	_	-		
¥										
			y, mutagenicity							
	nogenicity				on availab					
	genicity <i>ii</i>	n-vitro:			on availab					
	toxicity:				on availab					
	genicity <i>ii</i>				on availab 					
	r cell muta				on availab					
	oductive t	oxicity:	No info	rmatio	on availab	ie				



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11.2	Information on other hazards:
11.2.1.	Endocrine disrupting properties:
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
11.2.2.	Other information:
	-

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	-	-	-	-
Chronic 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	72 hours	No information available	No information available	-	-
Other organisms	_	_	_	_	-	_

12.2. Persistence and degradability



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Abio	tic de	egradation									
		Degradation l	nalf-live	es		Method			Evaluatio	n	Note
Marine water	No	information	availab	le	No info	rmation availab	ole	No inform	nation ava	ailable	-
Fresh water	No	lo information available		le	No information available			No information available			-
Air	No	o information available		le	No information available			No information available			-
Soil	No information available		le	No info	rmation availab	ole	No inform	nation ava	ailable	-	
Riod	earad	dation									
% Degradation		Time (d	avs)		M	ethod		Evaluatio	n	N	ote
No information	n		ormatio	on	No inform			o information	on I	No informa available	
		ulative poten		ol/wa	ater (log Ko	ow):					
Value		ncentration	octano p		eter (log Ko	ow): Method		Evalua	ation		Note
_	No avail	information		<u> </u>	_	No information available	1	No inform		-	Note
Bioco	oncer	ntration facto	r (BCF)								
Value		Spec	ies		M	lethod		Evaluat	ion	l	Note
No information	on	No inf available	ormati	on	No information available		No information available		No information available		
Chro	nic e	cotoxicity									
Val	ue	D	ose	E	xposure time	Species		Method	Evalı	uation	Note
Chronic toxici	ty on	ı fish LC5	0		ormation ailable	No information available	1	o formation railable	No info	rmation	-



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	oxicity on a (<i>Daphnia</i>)	EC ₅₀	information in	lo nformation vailable	No information available	No informa available	ation _
12.4. N	Mobility in so	il					
ŀ	Known or pre	dicted distributi	on in environmer	ıtal compartı	ments:		
1	No informatio	n available					
9	Surface tensic	n:					
	Value	°C	Concentrati	on	Method		Note
i	No information available No information available		No info	No information available -			
	t .	desorption coefficient 's constant	log Kow	Evapora	ation rate	Method	Note
	t A/D Henry	coefficient 's constant information	log Kow No information available	Evapora No inform available		Method No information available	Note -
Transport	t A/D Henry No available	coefficient 's constant information information	No information	No inform	ation	No information	Note -

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



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	No information available	
SECTIO	N 13. Disposal considerat	ions
13.1.	Waste treatment method	ds
12.1.1		
13.1.1.	Product/Packaging dispo	
	Protection.	ne legal person authorized by the Ministry of Environmental and Nature
13.1.2.	Waste codes/waste desi	gnations according to Law:
	No information available	2
13.1.3.	Waste treatment – relev	
	No information available	
13.1.4.	Sewage disposal – releva	ant information:
		osed of into the sewage system.
	<u> </u>	
13.1.5.	Other disposal recomme	endations:
	authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors try in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge. Do not dispose of in places where
13.1.6.	Relevant Community pro	ovisions:
	-	
SECTIO	N 14. Transport informati	ion
	Transporting/shipment by	
UN num		Not subject to transport regulations.
	per shipping name:	-
•	rt hazard class(es):	-
Packing		
	mentally hazardous:	-
Special	orecautions for user: Transporting/shipment by	rail (PID)
UN num		Not subject to transport regulations.



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

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



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

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



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Trading name:	BASIC ACTIVATION BUFFER		
Product code:	BAP-OT-X**	Date of compilation: 21 Dec 2022	Version: 4

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.	.5. Relevant H statements (number and full text)		
	H: -	-	
16.6.	6.6. 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:	4% NB FORMALDEHYDE		IALDEHYDE		
Product code:	FNB4-X**	Revision date:	06 Nov 2023	Version:	7

1.1	Product identifier				
	Trading name:	4% NB FOR	MALDEHYDE		
	Chemical name:	-			
	Catalogue number:	FNB4-X**			
1.2	Relevant identified us	es of the subs	tance or mixt	ure and uses advised against	
	Uses:		Fixative for	use in histology.	
	Uses advised against:		Only the id	entified 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:	Address:		Medjugorska 59, Zagreb	
	Telephone number:	Telephone number:		+385 1 2409997	
	Fax no.:		+385 1 2404039		
	e-mail of competent person:		msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone number				
	National Protection a	nd Rescue Dire	ectorate:	112	
	Medical information:	Medical information:		+385 1 2348 342	
	Other information:			-	

SECTIO	ON 2 HAZARDS INFORMATION	SECTION 2 HAZARDS INFORMATION		
2.1	Classification of the substance or mixture			
2.1.1	Classification according to (EC) Regulation No	o. elements		
	Hazard class and category code:	Hazard statements*:		
	Acute Tox. 4	H302		
	Acute Tox. 4	H312		
	Acute Tox. 4	H332		
	Skin Sens. 1	H317		
	Muta. 2	H341		
	Carc. 1B	H350		
2.1.2.	Additional information			
	_			
*For fu	ıll text of Hazard- and EU Hazard-statements: se	ee Section 16		



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Trading name:	4% NB FORMALDEHYDE				
Product code:	FNB4-X**	Revision date:	06 Nov 2023	Version:	7

2.2	Label elements	
	Product identification:	4% NB FORMALDEHYDE (10% neutral buffered and stabilized formalin solution, pH 7.0)
	Identification number:	-
	Authorization no.:	-
	Hazard pictograms:	
	Signal word:	Danger
	Hazard statements:	 H302 Harmful if swallowed. H312 Harmful in contact with skin. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H341 Suspected of causing genetic defects. H350 May cause cancer.
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye/protection/face protection. P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P302 + P352 IF ON SKIN: Wash with plenty of water. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308 + P313 IF exposed or concerned: Get medical advice/ attention.
	Further information:	-
2.3	Other hazards	·
		ins no components considered to be either persistent, bioaccumulative and and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 COI	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)				



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50-00-0/ 200-001-8/ 605-001-00-5	01-2119488953-20- XXXX	3 – 5 %	formaldehyde, 37 %	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Skin Corr. 1B; H314 Skin. Sens. 1; H317 Muta. 2; H341 Carc. 1B; H350
67-56-1/ 200-659-6/ 603-001-00-X	01-2119433307-44- XXXX	1 – 3 %	methanol	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT SE 1; H370

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			
	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			



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Trading name:		4% NB FORMALDEHYDE					
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SECTI	ON 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: No information available			
5.2	Special hazards arising from the substance or mixture			
	Hazardous combustion products:	Not flammable. Surrounding fire may cause hazardous fumes to be released.		
5.3	Advice for firefighters			
	Use a self-contained open-circuit o	compressed air breathing apparatus and fireproof clothing.		
5.4	Additional information			
	Do not contaminate the environment	ent with extinguishing media.		

SECTIO	ON 6 ACCIDENTAL RELEASE MI	EASURES			
6.1	Personal precautions, protective	ve equipment and emergency procedures			
6.1.1.	For non-emergency personne				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).				
6.2	Environmental precautions:				
	Do not dispose of in sewage, or Protection and Rescue Directo	drainage system and waterways. In case of large spillage contact National rate (NPRD) on 112.			
6.3	Methods and material for containment 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).			



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6.4	Reference to other sections
	-

SECTIO	ON 7 HANDLING AN STORAGE				
7.1	Precautions for safe handling				
7.1 Precautions for 7.1.1. Protection measures to present Measures To the Measures to present Measures to present Measures To the Measures to present Measures To the Measures to present	Protection measures				
	Measures to prevent fire:		Use in well ventilated storage rooms.		
	Measures to prevent aerosol and dust generation	n:	Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		-		
7.1.2.	Advice on general occupational hygiene:	section measures sures to prevent fire: sures to prevent aerosol and dust generation: sures to protect the environment: reasures: sure on general occupational hygiene: ot eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating. litions for safe storage, including any incompatibilities Manufacturer's original packaging. Avoid metal containers: irements for storage rooms and vessels: lites for storage equipment: Manufacturer's original packaging. Avoid metal containers. Meep away from food and drink. Keep the container tightly closed. The storage must be made of hard material; floors must be resistant to chemicals. There must be no or that directly leads into sewage system. Secure properties on the secure properties on the secure properties on the secure properties. Do not place the unused material in the storage roand do not use empty containers for storing other chemicals. Do not store with incompatible materia (see Section 10).			
	Do not eat, drink or smoke in the workspace. Th		ash hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	npatibilities			
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C.			
	Packaging materials:				
	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:	and do no	ot use empty containers for storing other s. Do not store with incompatible materials		
7.3	Specific end use(s)				
	Recommendations:	_			
	Industrial sector specific solutions:	-			

SECTIO	SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION						
8.1	Control parameters	Control parameters					
	Substance	CAS No	Occupational exposure limit values/short term values		Biological limit values		
			ppm	mg/m³			



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								Page 6 01 16	
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Product code:	FNB4-X	(**		Revision	n date: 06 Nov 2023		Version:	7	
Formaldehyde		50)-00-0	0.3/	'n 6	0.37/0.74	_		
Methanol			'-56-1	200		260/-	_		
					,				
Substance name:	-								
EC No:	-	CAS No	o: -	-					
DNEL									
				Indus	strial				
Route of	Acu	ıte	A	cute		Chronic		Chronic	
exposure:	effect	local	effect	systemic		effect local		effect systemic	
Oral	-		-		-			-	
	0.75 mg/		130 mg	n/m ³	0.375 mg/m ³		a ma/m³ (formaldahyda)	١	
Inhalation		130 mg/m ³ (met			(formaldehyde)			9 mg/m³ (formaldehyde) 130 mg/m³ (methanol)	
	(methan	ol)			130 mg/ m³ (methanol)				
Dermal	20 mg/kg		0.037 mg/cm ²		240 mg/kg (formaldehyde)				
(methanol) Critical physical parameters: solubility, flammability, co						aldehyde)		20 mg/kg (methanol)	
Critical physical pa	rameters: s	olubility,	flammak	oility, corros	sivity:	-			
				Consi	umer				
Route of	Acı			cute		Chronic		Chronic	
exposure:	effect			systemic		effect local		effect systemic	_
Oral	-		4 mg/kg (methan		-			4.1 mg/kg (formaldehyd 4 mg/kg (methanol)	e)
	0.5		-		0.1 m	ng/m³			
Inhalation	26 mg. (metha		26 mg/m (methan		(form	aldehyde)		3.2 mg/m³ (formaldehyd 26 mg/m³ (methanol)	e)
	(metric					g/m³ (methanc	ıl)		
Dermal	-		4 mg/kg (methan			mg/cm² aldehyde)		102 mg/kg (formaldehyd 4mg/kg (methanol)	ie)
PNEC			(1110-1110-11	<u> </u>	(mg, kg (memanor)	
Environmental pro	tection tar	net			PNEC	<u> </u>			
·					0.44 mg/l (formaldehyde)				
Fresh water					20.8 mg/l (methanol)				
Freehunten!!	nto.					g/kg (formalde)	
Freshwater sedime	ents				77 mg	g/kg (methano	l)		
Marine water					0.44 r	ng/l (formalde	hyde)		
Marine water			2.08 mg/l (methanol)						
Marine sediments						g/kg (formalde	-		
						g/kg (methanc			
Food chain					No in	formation avai	lable		



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Microorga	anisms in sewage treatment		0.19 mg/l (formaldehyde) 100 mg/l (methanol)			
C = i1 /= ===i =	u de una D		0.2 mg/kg (formaldehyde)			
Soil (agric	cultural)		100 mg/kg (methanol)			
Air			No information available			
8.2	Exposure controls					
8.2.1.	Engineering measures					
	Substance/mixture related measurevent 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 ex	xposure:	In accordance with Section 7.			
	Organisational measures to prevent exposure:		Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prevent ex	rposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.			
8.2.2.	Personal protection equipment		, , , , , , , , , , , , , , , , , , , ,			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.				
8.2.2.2.	Skin protection					
	Hand protection:	Protectiv	e nitrile gloves, 0.11 mm thick (EN 374).			
	Other skin protection:	Wear ant	ristatic clothing made of natural fibers (such as cotton) g sleeves (EN 340) and shoes that cover the entire foot.			
8.2.2.3.	Respiratory protection:	Suitable combine	mask (EN 136) or half mask (EN 140) equipped with a d "A1 + Form" filter (EN 143) used when concentration ceed GVI.			
8.2.2.4.	Thermal hazards:	No inforr	mation available			
8.2.3.	Environmental exposure controls					
	Substance/mixture related measures to prevent exposure:	See Secti	on 6			
	Structural measures to prevent exposure:	Use modern equipment.				
	Organisational measures to prevent exposure:	Adapt the	e work process to the required working conditions of the			
	Technical measures to prevent exposure:	See Secti	on 6			



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9.1	Information on basic physical and chemical properties						
		Value	Method				
	Physical state:	liquid	No information available				
	Colour:	colorless	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:	cca 100 °C at 1,013 hPa	No information available				
	Flammability:	No information available	No information available				
	Lower and upper explosion limit:	No information available	No information available				
	Flash point:	Not applicable	No information available				
	Auto-ignition temperature:	No information available	No information available				
	Decomposition temperature:	No information available	No information available				
	pH:	6.8-7.2 (neutral buffered)	No information available				
	Kinematic viscosity:	No information available	No information available				
	Solubility:	completely soluble in water	No information available				
	Partition coefficient n- octanol/water (log value):	No information available	No information available				
	Vapour pressure:	No information available	No information available				
	Density and/or relative density	No information available	No information available				
	Relative vapour density:	No information available	No information available				
	Particle characteristics:	No information available	No information available				
9.2	Other information						

SECTIO	SECTION 10 STABILITY AND REACTIVITY					
10.1	Reactivity:	See subsections 10.3 through 10.5.				
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).				
10.3	Possibility of hazardous reactions:	Acids, nitrogen oxides, hydrogen peroxide, oxidizing agents, polymerization initiators, alkaline metals.				
10.4	Conditions to avoid:	Heat sources, low temperatures.				
10.5	Incompatible materials:	Various metals, alloys, plastic, magnesium, zinc alloys.				



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Hazardous decomposition products: No information available. 10.6

SECTION 11 TOXI	ICOLOGICAL	INICODMATION						
	on on toxicolo							
Acute tox	icity:	-						
Route of exposure:	Method	Species	Do	se LD _{50,} ATE _r	/LC ₅₀ or	Exposure ti	me	Results
Oral:	-	rat		LD ₅	0	No informa available		100 mg/kg (formaldehyde) 100.1 mg/kg (methanol)
Dermal:	-	rabbit		LD ₅	0	No informa available		270 mg/kg (formaldehyde) 300.1 mg/kg (methanol)
Inhalation:	- rat LC ₅₀		0	4 h		0.57 mg/l (formaldehyde) 3.1 mg/l (methanol)		
Specific to	arget organ to	oxicity – single e	exposure (S	TOT SE)):			
	9	Specific effects		Target organ				Note
Oral:	No informa	ition available		No information available -			-	
Dermal:	No informa	ition available		No information available -		-		
Inhalation:	No informa	tion available		No information available -				
Aspiration	n hazard:		No information available.					
Irritation	and corrosion							
		osure time	Speci	ies	Evaluation	n Method		Note
Skin corrosion/irritation:		rabbit		-	-	No	skin irritation.	
Serious eye - damage/irritation		rabbit		_	-	No	eye irritation.	
Sensitizat	ion							
Skin sensitization:	М	ay cause allergi	c skin reac	tion.				
Respiratory sensiti	zation: A	lergic persons r	nay display	/ irritation	on.			



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Sympto	ms related to the p	hysical, chemic	al and toxicolog	ical characterist	ics	
Oral exposure: If ingested, severe burns of the mouth and throat, as well as a danger of perforation esophagus and the stomach.					erforation of the	
Dermal exposure			•	e time, redness a n cracking and r	ccompanied by ash.	sensation of
Inhalation expos	ilro		•	e time, it may lea mage of respirat	nd to mucosal irr ory tract	itations, cough,
Eye exposure:	Depending of Risk of blind		on and exposure	e time, it may lea	nd to stinging, te	aring, and pain.
Repeate	ed dose toxicity (sub	pacute, subchro	onic, chronic)			
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
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	-



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	Specific target	organ toxicity – repeated exposure	e (STOT RE):		
		Specific effects	Target organ	Note	
Subacu	te oral	No information available	No information available	-	
Subacu	te dermal	No information available	No information available	-	
Subacu	te inhalation	No information available	No information available	-	
Subchro	onic oral	No information available	No information available	-	
Subchro	onic dermal	No information available	No information available	-	
Subchro	onic inhalation	No information available	No information available	-	
Chronic	oral	No information available	No information available	-	
Chronic	dermal	No information available	No information available	-	
Chronic	inhalation	No information available	No information available	-	
	Mutagenicity in vivo: Germ cell mutagenicity: Reproductive toxicity: Summary of evaluation of the CMR properties:		Evidence of genetic defects. No information available No information available No information available		
11.2	Information or	other hazards:			
11.2.1.	Endocrine disr	upting properties:			
	components disrupting pro 57(f) or Comn 2017/2100 or	ce/mixture does not contain considered to have endocrine perties according to REACH Article hission Delegated regulation (EU) r Commission Regulation (EU) vels of 0.1% or higher.			
11.2.2.	Other informa	tion:			

SECTION	U 12 I	ברטו טפו	CAL INE	ORMATION:
SECTION	V 12 I	COLOGI	CALINI	ORIVIA HUN:

12.1 Toxicity



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Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	fish (Morone saxatilis)	-	6.7 mg/l (formaldehyde) 15.400 mh/l (methanol)	-
Crustacea:	EC ₅₀	48 hours	water flea (Daphnia magna)	-	5.8 mg/l (formaldehyde) 18.260 mg/l (methanol)	-
Algae/aquatic plants	IC ₅₀	4 days	green algae	-	4.89 mg/l (formaldehyde) 22.000 mg/l (methanol)	-
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	-
Other organisms	_	_	-	_	_	_

Persistence and degradability 12.2

Abiotic degradation

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



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Trading name:		4% NB FORMALDEHYDE			
Product code:	FNB4-X**	Revision date:	06 Nov 2023	Version:	7

	Biodeg	radatio	on								
% Degrad			Time (da	nys)	N	Method		Evaluati	on		Note
No information available		No ir	nformation	available				No information available		No information available	
12.3	Bioaccı	umulat	ive potenti	al							
	Partitio	n coef	ficient: n-o	ctanol/wat	er (log K	ow):	1				
Valu	e	Conce	ntration	рН	°C	Method		Eval	uation		Note
0,021	-			-	-	formaldehyde		-		-	
-0.77	-			-	-	methanol		-		-	
	Biocon alue rmation	centra	tion factor Spec			Method ormation	NI-	Evalua			Note
availabl			vailable	normation	availak			ilable		-	
	Chronic	c ecoto	oxicity								
	Value		Do	SP :	oosure time	Species	M	lethod	Evalu	ation	Note
Chronic toxicity on fish L		n LC ₅₀		rmation lable	No information available		ormatio vailable	No informa availabl		-	
	toxicity ea (<i>Daph</i>		EC ₅₀	1	rmation lable	No information available		ormatio vailable	No informa availabl		-
12.4	Mobilit	v in so	oil								
				ribution in	environn	nental compar	tmen	ts:			
			on available			I					
	Surface										
	Juliace										



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Trading	g nar	ne:			49	6 N	B FORM	ИALDE	HYDE			
Produc	t cod	de: I	FNB4-X**		Revisio	n da	ate:	06 N	lov 2023		Version:	7
		·									i	·
		rmation lable	No information available		No information available No information available		-					
	Ads	orption /	desorption									
Transpo	ort	-	coefficient ry's constant	log	Kow	Εv	aporatio	on rate	Meth	iod	Note	
Soil-wa	ter	No availabl	information e	No info	ormation le		o inform ailable	ation	No inform available	nation	-	
Water-a	air	No availabl	information e	No info	ormation le		inform ailable	ation	No inforn available	nation	-	
Soil-air		No availabl			ormation le	No information available		No information available		-		
	0											
12.5.	Res	ults of PB	T and vPvB asses	sment								
			ce/mixture conta r very persistent		•				•			and
12.6.	End	ocrine dis	srupting properti	ies								
	acco	ording to	e/mixture does r REACH Article 5 ⁻ EU) 2018/605 at l	7(f) or C	ommissio	n De	elegated					
	:											
12.6.	Oth	er advers	e effects									
	No	informati	on available									
SECTIO	N 13	DISPOS	AL CONSIDERAT	TIONS								
13.1	W	aste trea	tment methods									
13.1.1.	Pr	oduct/Pa	ckaging disposa	l:								
		Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.										
13.1.2.	W	aste code	es/waste designa	itions ac	cording to	Lav	w:					
	Pa	ckaging	that contains res	idual ha	zardous sı	ubst	ances o	r is cont	aminated w	vith haza	ardous substan	ces



Transporting/shipment by sea (IMDG)

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Trading name:			4% NB FOR	MALDEHYDE						
Product	code:	FNB4-X**	Revision date:	06 Nov 2023	Version:	7				
13.1.3.	Waste t	reatment – relevant	: information:							
	No info	mation available								
13.1.4.	Sewage	disposal – relevant	information:							
	Waste n	nust not be dispose	ed of into the sewage system.							
13.1.5.	Other d	isposal recommend	lations:							
	authoriz	ed by the ministry	luct's remains into the sewag in charge. Do not dispose of ctors authorized by the minist	the packaging into the s						
13.1.6.	Relevan	t Community provis	sions:							
	-									
SECTION	N 14 TRAN	ISPORT INFORMA	TION							
	Transport	ing/shipment by ro	ad (ADR)							
UN num	ber:		Not applicable							
UN prop	er shippin	g name:	-	-						
Transpor	rt hazard c	lass(es):	-	-						
Packing	group:		-							
Environn	nentally ha	zardous:	-							
Special p	precaution	s for user:	-							
	Transport	ing/shipment by ra	il (RID)							
UN num	ber:		Not applicable							
UN prop	er shippin	g name:	-							
······	rt hazard c	lass(es):	-							
Packing	group:		-							
Environn	nentally ha	zardous:	-							
Special p	recaution	s for user:	-							
	Inland wa	terway transport (A	DN)							
UN num	ber:		Not applicable							
UN prop	er shippin	g name:	-							
Transpor	rt hazard c	lass(es):	-							
Packing	group:		-							
Environn	nentally ha	zardous:	-							
Special r	recaution	s for user:	_							



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Trading name:		4% NB FORM	IALDEHYDE		
Product code:	FNB4-X**	Revision date:	06 Nov 2023	Version:	7

T	
UN number:	Not applicable
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:	3334
UN proper shipping name:	Aviation regulated liquid, n.o.s. (formaldehyde)
Transport hazard class(es):	9
Packing group:	III
Environmentally hazardous:	None
Special precautions for user:	no information
I Further information:	solutions, nonflammable, containing less than 25% of formaldehyde do the ADR regulations.

SECTIO	ECTION 15 REGULATORY INFORMATION					
15.1	Safety, health and env	rironmental regulations/legislation specific for the substance or mixture				
	EU regulations					
	Authorization and/or	restrictions of use				
	Authorizations:	-				
	Restrictions:	-				



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Trading name:		4% NB FORM	ALDEHYDE		
Product code:	FNB4-X**	Revision date:	06 Nov 2023	Version:	7

	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 199 guideline)	9/13/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 assessmen	t
	None	

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



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Trading name:	4% NB FORMALDEHYDE				
Product code:	FNB4-X**	Revision date:	06 Nov 2023	Version:	7

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classific	cation	according to CLP	Classification procedure	
_			-	
16.5.	Rele	evant H statements (num	ber and full text)	
	H:	225	Highly flammable liquid and vapor.	
		301	Toxic if swallowed.	
		302	Harmful if swallowed.	
		311	Toxic in contact with skin.	
		312	Harmful in contact with skin.	
		314	Causes severe skin burns and eye damage	
	317		May cause allergic skin reaction.	
		331	Toxic if inhaled.	
		332	Harmful if inhaled.	
		341	Suspected of causing genetic defects.	
		350	May cause cancer.	
		370	Causes damage to organs.	
16.6.	Training advice:		-	
	16.7. Further information:		** "X" in the product code marks different volumes (different packagings of the product)	
16.7.			We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

Α	N	IN	E	X:
		ш	_	,

EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT



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

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Trading name:	HEMATOXYLIN ML				
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9

SECTION	ON 1: Identification of	the substance	e/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	HEMATOXY	HEMATOXYLIN ML		
	Chemical name:	-			
	Catalogue number:	HEMML-01	-X**		
1.2.	1.2. Relevant identified uses of the substance or mixture and uses advised against			ixture and uses advised against	
	Uses:		Modified	hematoxylin acc. to Mayer-Lillie for nuclear staining.	
	Uses advised against:	Uses advised against:		identified uses are advised.	
	Reason why uses advi	ason why uses advised against: medica		ne product is intended for use only as an <i>in vitro</i> diagnostic edical device, registered at the Agency for Medicinal Products and edical Devices and there is no reason to use it for other purposes	
1.3.	Details of the supplier	of the safety	data sheet		
	Supplier: Bio		oGnost Ltd.		
	Address:	Me	ledjugorska 59, Zagreb		
	Telephone number: +		385 1 2409997		
	Fax no.: +3		385 1 2404039		
	e-mail of competent p	person: <u>ms</u>	msds@biognost.hr		
National contact: -					
1.4.	Emergency telephone number				
	National Protection and Rescue Dire		ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:				

SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regul	ation (EC) No 1272/20	08 (CLP)		
	Hazard class and cate	gory code:	Hazard statements*:		
	Eye Irr. 2 H319				
2.1.2.	Additional information				
	-				
*For ful	*For full text of Hazard- and EU Hazard-statements: see Section 16				
2.2.	Label elements				
	Product identification: HEMATOXYLIN ML				
	Identification number: -				
	Authorization no.: -				



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Trading name:	HEMATOXYLIN ML				
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9

	Hazard pictograms:	GHS07
	Signal word:	Warning
	Hazard statements:	H319 Causes serious eye 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.
	Supplemetal hazard information (EU):	-
2.3.	Other hazards	
	Endocrine Disrupting Proper No known endocrine disruptin Results of PBT and vPvB asso 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)		
7784-31-8/ 616-524-3/	-	3 – 4 %	aluminum sulfate octadecahydrate	Eye Dam. 1; H318		

SECTI	ON 4. First aid measures	
4.1.	Description of first aid meas	ures
	General notes:	Take off contaminated clothing.
	Following inhalation:	Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.
	Following skin contact:	Rinse skin with water/shower. In all cases of doubt, or when symptoms persist, seek medical advice.
	Following eye contact:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
	Following ingestion:	Rinse mouth. Call a doctor if you feel unwell.



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Trading name:	HEMATOXYLIN ML				
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	Self-protection of the first aider: Treat symptomatically.			
4.2.	Most important symptoms and effects, both acute and delayed			
	Following inhalation: No information available			
	Following skin contact: No information available			
	Following eye contact:	Risk of blindness, Risk of serious damage to eyes.		
	Following ingestion:	No information available		
4.3.	Indication of any immedia	Indication of any immediate medical attention and special treatment needed		
	-			

SECTIO	ON 5. Firefighting measures		
5.1.	Extinguishing media		
	Suitable extinguishing media:	Small fire - water spray, dry powder, foam, 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		
	Do not enter fire area without pro	oper protective equipment, including respiratory protection.	
5.4.	Additional information		
	Remove sources of heat and ignit Do not contaminate the environm		

SECTIO	ON 6. Accidental release measures			
6.1.	Personal precautions, protective ed	quipment 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:			
	Do not enter fire area without prop	per protective equipment, including respiratory protection.		
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material for containr	nent and cleaning up		



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Trading name:	HEMATOXYLIN ML				
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6.3.1.	Bunding, covering of drains; capping procedures:	Covering of drains. Take up mechanically.		
6.3.2.	Cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers. 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:	Place in appropriate containers for disposal.		
6.4.	Reference to other sections			
	See Section 7 for information about secure handling.			
	See Section 8 for information about personal protective equipment.			
	See Section 13 for information	on about containment.		

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 generat	ion:	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:		tightly closed and upright set containers in a well ed place.	
	Packaging materials:	Manufa	cturer's original packaging.	
	Requirements for storage rooms and vessels:	Keep av	vay from food and drink. Keep the containers closed.	
	Advices for storage equipment:	be resis	rage must be made of hard material; floors must tant to chemicals. There must be no drain that leads into sewage system. Secure proper ion.	
	Further information on storage conditions:	and do	place the unused material in the storage room not use empty containers for storing other als. Do not store with incompatible materials (see 9).	
7.3.	Specific end use(s)			



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Trading name:			ŀ	IEMA1	OXYLIN ML		
Product cod	e: HEMMI	L-OT-X**	Revision date:		27.03.2023.	Version:	9
	ommendations: Istrial sector spe			_			
SECTION 8. Exposure controls/personal programmeters			protection				
Subs	Substance CAS No			•	l exposure limit rt term values	Biological limi	t values
-		_	ppr -	m	mg/m³ -	No information av	ailable
Substance				l		1	
name: Aluminium sulphate octadecahy			cahydrate				

EC No: **DNEL**

		Industrial			
oute of	Acute	Acute			

CAS No:

233-135-0

Route of	Acute	Acute	Chronic	Chronic
exposure:	effect local	effect systemic	effect local	effect systemic
Oral	-	-	-	-
Inhalation	-	-	-	13,4 mg/m ³
Dermal	-	-	-	3,8 mg/kg bw/day

7784-31-8

Critical physical parameters: solubility, flammability, corrosivity:

Consumer

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic			
Oral	-	-	-	-			
Inhalation	-	-	-	-			
Dermal	-	-	-	-			

PNEC

Environmental protection target	PNEC
Fresh water	No information available
Freshwater sediments	No information available
Marine water	No information available
Marine sediments	No information available
Food chain	No information available
Microorganisms in sewage treatment	No information available
Soil (agricultural)	No information available



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Trading name:	HEMATOXYLIN ML					
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Air			No information available	
8.2.	Exposure controls			
8.2.1.	Engineering measures			
	Substance/mixture relate measures to prevent exp during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.	
	Structural measures to preserve:	revent	No information available	
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.	
	Technical measures to pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.	
8.2.2.	Personal protection equi	pment		
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) or visor.		
8.2.2.2.	Skin protection			
8.2.2.2.	Hand protection:	Chen 374.	Glove material: nitrile rubber Glove thickness: > 0.11 mm Break through time: >480 min	
	Other skin protection:		es (EN 13034), and shoes that cover the entire foot (EN 10335).	
8.2.2.3.	Respiratory protection:	In cas	se of inadequate ventilation wear respiratory protection.	
8.2.2.4.	Thermal hazards:	No ir	formation available	
8.2.3.	Environmental exposure	control	s	
	Substance/mixture relate measures to prevent exp		See Section 6	
	Structural measures to perfect the exposure:	revent	Use modern equipment.	
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace. Keep away from drains, surface and ground water.	
	Technical measures to pr exposure:	event	See Section 6	

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



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

Physical state:	liquid	No information available
Color:	dark red	No information available
Odour/odour threshold:	glycerol like/no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lower and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
pH:	No information available	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density	No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available
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:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

Product code:	HEMML-OT-X**	Revision date:	27.03.2023.		Version: 9
Route of exposure:	Method	Species		Exposu time	RACILITE
Oral exposure:	anhydrous (ECHA)	rabbit	ATE _{mixture}	-	>2.000-<5.000 mg/kg (aluminium sulphate octadecahydrate)
Dermal exposure:	anhydrous (ECHA)	rat	LD ₅₀	-	>5.000mg/kg (aluminium sulphate octadecahydrate)
Inhalation exposure:	No information available	_	LC ₅₀	-	-
6 16					
Specific ta	arget organ toxicity – sing			-1	NI-4-
Oral exposure: No information av			No inform	et organ lation	Note -
Dermal exposure:	No information ava	ilable	No information available		-
Inhalation exposure	e: No information ava	No information available		ation	-
Respirator	ry irritation:	No information av	vailable		
Irritation a	and corrosion				
111111111111111111111111111111111111111	Exposure time	Species	Evaluati on	Meth od	Note
Skin irritation:	-	-	-	-	
Eye irritation:	-	-	-	- (Causes serious eye damage
Sensitizati	ion				
Dermal exposure:	No information available	<u> </u>			
Inhalation exposure:	No information available				

Dermal exposure:	Dermal exposure: No information available						
Inhalation exposure:	No information available						
Symptom	s related to the physical, chemical and toxicological characteristics						
Oral exposure:	No information available						
Dermal exposure:	No information available						



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

Eye exposure:	Causes serio	us eye damage	9				
Reneat	ed dose toxicity (su	hacute subchr	onic chronic)				
Кереис	Dose Dose	Exposure time	Species	Method	Evaluation	າ	Note
Subacute oral	No information available	No information available	No information available	No information available	No inform available	nation	-
Subacute dermal	No information available	No information available	No information available	No information available	No inform available	nation	-
Subacute inhalation	No information available	No information available	No information available	No information available	No inform available	nation	-
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 inform available	nation	-
Chronic dermal	No information available	No information available	No information available	No information available	No inform available	nation	-
Chronic inhalation	No information available	No information available	No information available	No information available	No inform available	nation	-
Specific	target organ toxic	ty - repeated	evnosure (STO	T RF)·			
эрссии	target organ toxic	Specific effect	•	Target or	gan		Note
Subacute oral	No informa	ation available		No information	<u>-</u>	-	
Subacute derma		ation available		No information available		-	
Subacute inhalat		ation available		No information		-	
Subchronic oral		ation available		No information available		_	



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Subchro	nic dermal	No information availa	able	No information available	-		
Subchro	onic inhalation No information availa		able	No information available	-		
Chronic	oral	No information availa	able	No information available	-		
Chronic	dermal	No information availa	able	No information available	-		
Chronic	inhalation	No information availa	able	No information available	-		
***	CMR effects (c	carcinogenicity, mutage	enicity reproducti	ve toxicity)			
	Carcinogenicit	3 , 3	No information a				
	Mutagenicity <i>in-vitro</i> :		No information available				
	Genotoxicity:		No information available				
	Mutagenicity in-vivo:		No information available				
	Germ cell mut	agenicity:	No information available				
	Reproductive	toxicity:	No information a	vailable			
	Summary of e	valuation of the CMR p	roperties:	-			
44.0							
11.2.		n other hazards:					
11.2.1.	Endocrine disr	rupting properties:					
	No known properties tha	endocrine disrupti t affect human health.	ng				
11.2.2.	Other informa	tion:					
	_						

SECTION 12. Ecological information									
12.1. Toxicity	12.1. Toxicity								
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC ₅₀	96 hours	Fish	ECHA	>85.9 mg/l (aluminium sulphate octadecahydrate)	-			
Crustacea:	EC ₅₀	48 hours	aquatic invertebrates	ECHA	>200 mg/l (aluminium sulphate octadecahydrate)	-			
Algae/aquatic plants	IC ₅₀	8 days	algae	No information available	-	-			



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Microorganisms	LC ₅₀	72 hours	-	-	-	-
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	EC ₅₀	180 min	microorganisms	ECHA	>1.000 mg/l (aluminium sulphate octadecahydrate)	-

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	-



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V	'alue		Species		Meth	nod	Evaluation			Note	
No info availabl	rmation le	•		nation			No information available			No information available	
	Chronic	ecoto	xicity								
	Value		Dose		osure me	Species	Meth	od	Eva	lluation	Note
Chronic	toxicity o	on fish	LC ₅₀	No inforr availa	nation io	No nformat on vailable	No inform available	ation	No info	ormation le	-
	toxicity of ea (<i>Daphr</i>		EC ₅₀	No inforr availa	nation io	No nformat on vailable	No inform	ation	No info	ormation le	-
12.4.		or pre	il dicted distribut on available	ion in e	environme	ntal com _l	partments:				
	Surface	tensic	n:								
	Valu	ıe	°C		Concen	tration	Meth	od		Note	
	No informa availabl		No inform available	nation	No inforr available	mation	No inform available	ation	_		
	Adsorp	tion / o	desorption								
Transpo	ort		coefficient 's constant	lo	g Kow	Evapo	ration rate	М	ethod		Note
Soil-wa	ter No	ailable	information	No in availa	formation ble	No info	ormation lle	No inf	ormation ole	-	
Water-a	air No	ailable	information	No in availa	formation ble	No info	ormation lle	No inf availat	ormation ole	-	
	No		information		formation	1	ormation		ormation		



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12.5.	Results of PBT and vPvB assessment
	No information available
12.6.	Endocrine disrupting properties
	No known endocrine disrupting properties that affect the environment.
12.7.	Other adverse effects
	No adverse effects are expected.
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-
	N 14. Transport information



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



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Further information:	The product is not subject to classification.
	in the production of the company of

15.1.	Safety, health and enviro	nmental regulations/legislation specific for the substance or mixture						
	EU regulations							
	Authorization and/or rest	trictions of use						
	Authorizations:	-						
	Restrictions:	-						
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);						
	Information according 19 guideline)	999/13/EC about limitation of emissions of volatile organic compounds (VOC-						
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act						
15.2.	Chemical safety assessme	ent						
·	None							

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



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16.2.	Abbreviations and acronyms	par route (European Dangerous Goods by IMDG: International MIATA: International MIATA: International MIATA: GHS: Globally HIATA: GHS: Globally HIATA: EINECS: European Invited CAS: Chemical Abstruction DNEL: Derived No-ELC50: Lethal concert LD50: Lethal dose, Support Persistent, Biomannia Biomannia Goods (1998)	Maritime Code for Dangerous Goods Air Transport Association armonised System of Classification and Labelling of rentory of Existing Commercial Chemical Substances racts Service (division of the American Chemical Society) iffect Level (UK REACH) intration, 50 percent	
16.3.	Key literature references and source of data:	-		
16.4.	Classification and procedure 1272/2008 (CLP)	d to derive the classifica	ntion for mixture according to Regulation (EC)	
Classific	cation	ssification procedure		
-				
16.5.	Relevant H statements (num	and full text)		
	H: 318	uses serious eye damage	e.	
	319	uses serious eye irritatio	n.	
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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1.1	Product identifier					
	Trading name:	OIL RED O	REAGENT			
	Chemical name:	-				
	Catalogue number:	ORO-OT-X*	*			
1.2	Relevant identified use	es of the subst	tance or n	nixture and uses advised against		
	Uses:		Reagent	for staining lipid substances.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier:	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	N 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Reg	ulation (EC) No 12	272/2008 (CLP)		
	Hazard class and categ	ory code:	Hazard statements*:		
	Flam. Liq. 2		H225		
	Eye Irr. 2		H319		
	STOT SE 3		H336		
2.1.2.	Additional information				
	-				
*For ful	l text of Hazard- and EU Hazard	-statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	OIL RED O REAC	GENT		
	Identification number:	-			



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	Authorization number:	-
	Hazard pictograms:	GHS02 GHS07
	Signal word:	Danger
	Hazard statements:	H225 Highly flammable liquid and vapor.H319 Causes serious eye irritation.H336 May cause drowsiness or dizziness
	Precautionary statements:	P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Endocrine Disrupting Prope	erties:
	No known endocrine disrupti	ng properties.
		ins no components considered to be either persistent, bioaccumulative and and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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)				
67-63-0/ 200-661-7/ 603-117-00-0	-	70 - 90 %	propan-2-ol	Flam. Liq. 2; H225 Eye Irr. 2; H319 STOT SE 3; H336				

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



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	Following inhalation:	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:	Do not induce vomiting. Do not insert any object into the unconscious person's mouth. 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:	Central nervous system depression, prolonged or repeated exposure can cause: nausea, headache, vomiting, narcosis, drowsiness.
	Following skin contact:	Defatting, dry skin.
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.
	Following ingestion:	Overexposure may cause mild, reversible liver effects. Aspiration may lead to: lung edema, pneumonia
4.3	Indication of any immediate media	cal attention and special treatment needed

SECTIO	TION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Carbon dioxide (CO ₂), foam, dry powder.			
	Unsuitable extinguishing media:	No information available.			
5.2	Special hazards arising from the su	ubstance or mixture			
	Hazardous combustion products:	Carbon oxides Combustible. Pay attention to flashback. Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures.			
5.3	Advice for firefighters				
	Use a self-contained open-circuit o	compressed air breathing apparatus and fireproof clothing.			
5.4	Additional information				
	Remove container from danger zo contaminating surface water or the	ne and cool with water. Prevent fire extinguishing water from e ground water system.			



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SECTIO	ON 6. Accidental release meas	ures	
6.1	Personal precautions, protecti	ve equipment and emergency procedures	
6.1.1.	For non-emergency personne	I	
	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. 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, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.		
6.3	Methods and material for con	tainment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Sand 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 in	formation.	

SECTIO	SECTION 7. Handling and storage			
7.1	Precautions for safe handling	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.		



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	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. The	noroughly wash hands after work and before eating.
7.2	Conditions for safe storage, including any incor	npatibilities
	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. Suitable material: HDPE containers.
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTIO	SECTION 8. Exposure controls/personal protection								
8.1	8.1 Control parameters								
	Substance		CAS No			Occupational exposure limit values/short term values		В	Biological limit values
					ppr	n	mg/m³		
Propan	Propan-2-ol			67-63-0		500	999/1250		-
Substar	nce name:	-							
EC No:		-	CAS No	-					
DNEL				<u> </u>					
	Industrial								
Route	of	Acı	ite	Acu	te		Chronic		Chronic
exposu	ıre:	effect	local	effect sy	stemic		effect local		effect systemic



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Product of	code:	ORO-OT-X**	Revisi	on date:	14 November	2022	Version:	5
0								
Oral		_	-	-		-	3	- IX
Inhalation Dermal		- -	-	-			<u>ا/m³ (propan-2)</u> ا/kg bw/day (p	
Critical ph	vsical para	meters: solubility,	flammability, co	rrosivity:		2 01)		
'	<u>, , , , , , , , , , , , , , , , , , , </u>	,		onsumer				
Route of		Acute	Acute		Chronic		Chronic	
exposure	:	effect local	effect system	ic e	effect local	(effect systemic	
Oral		-	-	-		26 mg/ (propar	kg bw/day n-2-ol)	
Inhalation		-	-	-			m³ (propan-2-c	ol)
Dermal		-	-	-			ı/kg (propan-2-	
PNEC		,	'	'				
Environme	ental prote	ection target		PNEC				
Fresh wat	er			no informa	tion available			
Freshwate	r sedimen	ts		no information available				
Marine wa	ater			no information available				
Marine se	diments			no information available				
Food chai	n			no information available				
Microorga	anisms in s	ewage treatment		no information available				
Soil (agric	ultural)			no informa	tion available			
Air				no informa	tion available			
8.2	Exposu	re controls						
8.2.1.	Approp	riate engineering	controls					
		nce/mixture relate exposure during		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:		event	In accordance with Section 7.				
	Organiz exposu	zational measures re:	to prevent	Organization of work in order to reduce other worker's influence during work process.				r's
	Technical measures to prevent exposure:			Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.				



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8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection				
		The protective gloves have to satisfy the specification of Regulation (EU) 2016/425 and the related standard EN 374. Full contact:			
		Glove material: butyl rubber			
		Glove thickness: ≥ 0.50 mm			
	Hand protection:	Time until perforation: > 480 min			
		Splash contact: Glove material: nitrile rubber			
		Glove thickness: 0.4 mm			
		Break through time: 35 min			
	Other skin protection:	During everyday work use antistatic clothing (EN 13688) 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:	If the concentration level exceeds the GVI values (or because of inadequate ventilation), use a filter for organic vapors, type "A" (boiling point >65°C) according to EN 14387.			
8.2.2.4.	Thermal hazards:	No information available			
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Section 6			
	Structural measures to prevent exposure:	Use modern equipment.			
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to prevent exposure:	See Section 6			

SECT	SECTION 9. Physical and chemical properties			
9.1	.1 Information on basic physical and chemical properties			
		Value	Method	
	Physical state:	liquid	No information available	
	Colour:	red	No information available	
	Odour/odour threshold:	no information available	No information available	



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	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lower and upper explosion limit:	No information available	No information available
	Flash point:	18 °C	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	pH:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	Ignition temperature: 425 °C		
	Product is not explosive. However,	formation of explosive air/vap	our mixtures are possible.

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:	Acids, bases, oxidants.		
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide.		

SECTIO	SECTION 11. Toxicological information							
11.1	11.1 Information on toxicological effects							
	Acute toxic	city:						
Route o		Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results		
Oral:		_	rat (2-propanol)	LD ₅₀	_	5.840 mg/kg		



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Dermal:	-	ra	ıbbit (2-prop	anol)	LC) ₅₀		-		12.800	mg/kg
Inhalation:	-	rat (2-prop		nol)	LC	2 50		4 h		37.5 mg/l - vapor	
Specific	target orga	n toxicity	/ – single exp	oosure (STOT SE)	:					
: •			fic effects			Target	organ			Note	
Oral:	No info	rmation	available		No info	ormation	availab	ole	-		
Dermal:	No info	rmation	available		No info	ormation	availab	ole	-		
Inhalation:	No information available				No info	ormation	availab		may ca or dizz	ause drow iness	/siness
Aspiration	on hazard:		I	No infor	mation a	available.					
Irritation	n and corros	ion									
:		Exposure	e time	Spec	cies	Evalua	tion	Method		Note	
Skin corrosion/irritation	on:		-	-		-		-	-		
Serious eye damage/irritation	- 1		1	rabbit -		-				causes serious eye irritation	
Sensitiza	ation										
Skin sensitization	1:	No info	ormation ava	ilable.							
Respiratory sensi	tization:	No info	ormation ava	ilable.							
		•	ysical, chemi	cal and	toxicolog	gical chai	acterist	ics			
Oral exposure:			on available.								
Dermal exposure			on available.								
Inhalation exposu			on available. on available.								
Eye exposure:	ino ir	normatio	avaliable.								
Repeate	d dose toxic	ity (suba	acute, subchi	ronic, ch	ronic)						
- F	Dose		Exposure time	Spec		Metho	od	Evaluat	ion	Note	
Subacute oral	No inforr	nation	No information available	No infor availa	mation able	No inform availa		No informa availab		-	



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Subacute dermal	No infor available	mation	No information available	No information available	No information available	No informatio available	n -
Subacute inhalation	No infor available	mation	No information available	No information available	No information available	No informatio available	n -
Subchronic oral	No infor available	mation	No information available	No information available	No information available	No informatic available	n -
Subchronic dermal	onic No information available		No information available	No information available	No information available	No informatio available	n -
Subchronic inhalation	No infor available	mation	No information available	No information available	No information available	No informatio available	n -
Chronic oral	No infor available	mation	No information available	No information available	No information available	No informatio available	n -
Chronic dermal	No infor available	mation	No information available	No information available	No information available	No informatio available	n -
Chronic inhalation	No infor available	mation	No information available	No information available	No information available	No informatio available	n -
Specific	target orga	ın toxicit	v – reneated e	xposure (STOT	RE).		
Эресте	targer orga	iii toxicit	Specific effect		Target o	organ	Note
Subacute oral	No	informa	tion available		No information		-
Subacute derma	l No	informa	ition available		No information available		_
Subacute inhalat	ion No	informa	ition available		No information available		-
Subchronic oral	No	informa	ition available		No information	n available	-
Subchronic derm	nal No	informa	ition available		No informatio	n available	-
Subchronic inhalation No information av			ition available	No information available		-	
Chronic oral No information available				No informatio	n available	-	
Chronic dermal	No	informa	tion available		No information	n available	-
Chronic inhalation	n No	informa	ition available		No information	n available	_



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	Mutagenicity in vitro:	Base	ed on available data, the classification criteria are not met.		
	Genotoxicity:	Based on available data, the classification criteria are not met.			
	Mutagenicity in vivo:	Base	ed on available data, the classification criteria are not met.		
	Germ cell mutagenicity:	Base	ed on available data, the classification criteria are not met.		
	Reproductive toxicity: Based on available data, the classification criteria are not met				
	Summary of evaluation of the CN properties:		Based on available data, the classification criteria are not met.		
11.2	Information on other hazards:				
11.2.1.	Endocrine disrupting properties:				
	No known endocrine disrupting propertie	s tha	t affect human health.		
11.2.2.	Other information:				
	-				

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	Pimephales promelas	No information available	9.640 mg/l (2- propanol)	-
Crustacea:	EC ₅₀	48 hours	Daphnia magna	No information available	13.299 mg/l (2-propanol)	-
Algae/aquatic plants	IC ₅₀	4 days	algae	No information available	>1,000 mg/l (2-propanol)	-
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	-



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Algae/aquatic plants IC ₅₀ 72 hours		IC ₅₀	72 hours	•	lo information vailable	No information available		No information available		
Other organism	าร	-	-	-		-	-		_	
12.2 Dorsist			~:I:+.,							
		and degradal adation	omity							
		egradation h	alf-lives		Method	Evaluatio	n		Note	
Marine water	No information available		No i	nformation	No informatio		-			
Fresh water	No information available		No i avail	nformation able	No information	n	_			
Air	No i	No intormation available		No i avail	nformation able	No information	n	-		
Soil	all ING information available		No i avail	nformation able	No information available		-			
Biode										
% Degradati	on	Time (days)		Method	Evaluation			Note	
53 %		5 days		aero	bic	No information available	on	Readily bi	odegradal	ole
12.3 Bioacc	rumula	ntive potentia	1	i		:	:			
		er partition o		log Ko	ow)					
Value	Conc	entration	рН	°C	Method	Evalu	uation		Note	
≤ 4 -			-	-	-	-			accumulat expected	
Biocoi	ncentra	ation factor (BCF)							
Value		Speci	es		Method	Evaluat	ion		Note	
No informatior available		No in available	formation	No ii avail	nformation able	No informat available	ion	-		



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	Chrc	nic ecoto	kicity						
	Val	ue	Dose	Exposure time	Species	Method	Evaluatio	n Note	
Chroni	c toxic	ity on fish	LC ₅₀	information	No information available	No information available	No information available	1 -	
Chroni crustac		-	EC ₅₀	information	No information available	No information available	No informatior available	۱ -	
12.4		ility in soil							
		······································		on in environme	ntal compart	ments:			
			n available						
		ace tension					1		
	\	/alue	°C	Concentration		Method		Note	
	No infor avail	mation able	No information available	No information	on No information available		-		
	Adso	orption / d	esorption						
Transp	ort		coefficient 's constant	log Kow	Evaporati	on rate	Method	Note	
Soil-wa	ater	No available	information	No information available	No inforn available		information ailable	-	
Water-	air	No available	information	No information available	No inforn available		o information ailable	-	
								:	

Water-air No information available No information available

12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties



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	according	to REACH Article 57(ot contain components cons (f) or Commission Delegated vels of 0.1% or higher.			
12.7.	Other adv	erse effects				
	No furthe	r relevant informatior	n available.			
SECTIO		osal considerations				
13.1	Waste t	reatment methods				
12 1 1	Dun dun et	(De also vice a dispersal)				
13.1.1.		/Packaging disposal:	gal person authorized by the	Ministry of Environmenta	Land Natura	
	Protecti	•	gai person authorized by the	e Millistry of Environmenta	and Nature	
13.1.2.	Waste c	odes/waste designati	ions according to Law:			
	Packagi	ng that contains resic	dual hazardous substances c	or is contaminated with haz	ardous substan	ces
13.1.3.		reatment – relevant ir	nformation:			
	No info	rmation available				
13.1.4.	Sewage	disposal – relevant ir	nformation:			
		•	of into the sewage system.			
		<u>'</u>	<u> </u>			
13.1.5.	Other d	isposal recommendat	tions:			
	authoriz	ed by the ministry in	ct's remains into the sewage charge. Do not dispose of t ors authorized by the ministr	he packaging into the sewa		
13.1.6.	Relevan	t Community provisio	ons:			
	Disposa	I must be made accor	rding to official regulations.			
SECTIO		NSPORT INFORMAT				
	······································	ing/shipment by roac				
UN num		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1219			
	er shippin rt hazard c		Isopropanol 3			
Packing		1000(00).				
		zzardouc:				
Environr	nentally ha	azardous:	-			



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Special precautions for user:	-
Transporting/shipment by rail (R	IID)
UN number:	1219
UN proper shipping name:	Isopropanol
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)
UN number:	1219
UN proper shipping name:	Isopropanol
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (I	MDG)
UN number:	1219
UN proper shipping name:	Isopropanol
Transport hazard class(es):	3
Packing group:	II
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:	1219
UN proper shipping name:	Isopropanol
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture



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

SECTION 16. Other information		
16.1	Indication of changes:	-



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16.2	16.2 Abbreviations and acronyms:		ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
16.3.		literature references and rce of data:	Manufacturer's MSDS file.		
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	Classification Clas		Classification procedure		
-	-		-		
16.5.	Rel	evant H statements (numb	per and full text)		
		225	Highly flammable liquid and vapor.		
	H:	319	Causes serious eye irritation.		
336 May cause drowsiness or dizziness.		336	May cause drowsiness or dizziness.		
16.6.	Trai	ning 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	
-	