

MASSON TRICHROME KIT

The kit contains:

Acetic acid, 1% solution
Aniline Blue reagent
Biebrich Scarlet-Acid Fuchsin reagent
Bouin's solution
Ferri reagent, Weigert B
Hematoxylin, Weigert A
P.T.A.-P.M.A. reagent



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

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Trading name:	ACETIC ACID, 1% SOLUTION			
Product code:	OK1-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

SECTI	ON 1: Identification of	the substance	e/mixture	and of the company/undertaking	
1.1	Product identifier				
	Trading name:	ACETIC ACI	ACETIC ACID, 1% SOLUTION		
	Chemical name:	-	-		
	Catalogue number:	OK1-OT-X*	*		
1.2	Relevant identified us	es of the subs	tance or n	nixture and uses advised against	
	Uses:		For use	with special staining kits.	
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.		
	Address:		Medjug	orska 59, Zagreb	
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent person:		msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone	Emergency telephone number			
	National Protection ar	nd Rescue Dire	ectorate:	112	
	Medical information:			-	
	Other information:			-	

SECTIO	ION 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 categ	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous su	-				
2.1.2.	Additional information					
	-					
*For ful	ll text of Hazard- and EU Hazard-	-statements: see S	SECTION 16			
2.2	Label elements					
	Product identification:	ACETIC ACID, 19	% SOLUTION			
	Identification number: -					
	Authorization number:	-				
	Hazard pictograms:	-				



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

SECTION 3. Co	SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
64-19-7/ 200-580-7/ 607-002-00-6	-	1 %	acetic acid, glacial 99%	Flam. Liq. 3; H226 Skin Corr. 1A; H314	

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



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

SECTIO	SECTION 5. Firefighting measures			
5.1	Extinguishing media	Extinguishing media		
	Suitable extinguishing media:	water spray, dry powder, CO2 or alcohol resistant foam		
	Unsuitable extinguishing media:	Water with full jet.		
5.2	Special hazards arising from the substance or mixture			
	Hazardous combustion products:	no information available		
5.3	Advice for firefighters			
	Use a self-contained open-circuit co	ompressed air breathing apparatus and fireproof clothing.		
5.4	Additional information	Additional information		
	Cool endangered receptacles with w contaminate the environment with e	vater spray. Collect contaminated firefighting water separately. Do not extinguishing media.		

SECTIO	ON 6. Accidental release measur	res			
6.1	Personal precautions, protective	Personal precautions, protective equipment and emergency procedures			
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Use protective equipment; in ca (see Section 8).	se 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 conta	inment and cleaning up			



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



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Product code:	OK1-01	Γ-X**	D	ate of	compilat	ion:	23 Dec 2	2022	Version:	4
Further in	nformation	on storaç	ge condition	ns:	and do	not u	ise empty c o not store	ontainers	l in the storage ros for storing other ompatible materia	r
7.3 Specific 6	end use(s)				•					
Recomm	endations:			-						
Industria	l sector spe	cific solut	tions:	-						
SECTION 8. Expo		ols/perso	onal protec	tion						
8.1 Control p	parameters	I		I						
					oational ex	-				
Substanc	Substance		S No		values/short term				Biological limit values	
Acetic acid		64	-19-7		om /20		/50			
Acetic acid		04	-13-1	10,	/20		730			
Substance name:	_									
EC No:	_	CAS No): -							
DNEL		•								
				Indu	strial					
Route of	Acı	ıte	Acut	te		Chro	onic		Chronic	
exposure:	effect	local	effect sys	stemic	(effect	local		effect systemic	
Oral	-		-		-			-		
Inhalation	-		-		-			-		
Dermal	-		-		-			-		
Critical physical pa	arameters: s	solubility,	flammabilit	ty, corro	sivity:	-				
			1	Cons	umer					
Route of	Acı		Acut			Chro			Chronic	
exposure:		local	effect sys	stemic		effect	local		effect systemic	
Oral Inhalation	-		-		-			-		
Dermal	-		-		-			-		
PNEC			-					-		
Environmental protection target			ь	PNEC						
Fresh water	dection tar	gei			o informa	ation a	availahle			
Freshwater sedime	ents				o informa					
Marine water					o informa					
Marine sediments					o informa					



Food chain

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no information available

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Microorga	nisms in sewage treatment		no information available
Soil (agrice	ultural)		no information available
Air			no information available
8.2	Exposure controls		
8.2.1.	Appropriate engineering controls		
	Substance/mixture related measure prevent exposure during identified		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.
	Structural measures to prevent exposure:		In accordance with Section 7.
	Organisational measures to preve exposure:	nt	Organization of work in order to reduce other worker's influence during work process.
	Technical measures to prevent exp	posure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.
8.2.2.	Personal protection equipment		
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of levels of concentration in air; protective gas mask that covernite face in case of higher levels of concentration in air.	
8.2.2.2.	Skin protection		
	Hand protection:		otective gloves have to satisfy the specification of action (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min
	Other skin protection:	footwe entire impern	every day work use cotton clothing (EN 340) and suitable ear, such as rubber boots (EN 20345) or shoes that cover the foot. In case of spilling hazard, use clothing made of neable material suitable for protection from liquid chemicals PVC, himex) and footwear made from the same material.
8.2.2.3.	Respiratory protection:	with a	tive full face mask (EN 136) or half mask (EN 140) equipped filter for organic vapors, type "A" (boiling point >65°C) ng to EN 14387) used when concentration levels exceed GVI.
8.2.2.4.	Thermal hazards:	No info	ormation available
8.2.3.	Environmental exposure controls		
	Substance/mixture related measures to prevent exposure:	See Se	ction 6



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

	Information on basic physical and	chemical properties		
		Value	Method	
	Physical state:	liquid	No information available	
	Colour:	colourless	No information available	
	Odour/odour threshold:	mild acetic acid 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	potentiometric measurement	
	Flammability:	No information available	No information available	
	Lover and upper explosion limit:	No information available	No information available	
	Flash point:	No information available	No information available	
	Auto-ignition temperature:	No information available	No information available	
	Decomposition temperature:	No information available	No information available	
	рН:	No information available	No information available	
	Kinematic viscosity:	No information available	No information available	
	Solubility:	No information available	No information available	
	Partition coefficient noctanol/water (log value):	No information available	No information available	
	Vapour pressure:	No information available	No information available	
	Density and/or relative density:	No information available	No information available	
	Relative vapour density:	No information available	No information available	
	Particle characteristics:	No information available	No information available	
.2	Other information			

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



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

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



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Oral exposure:	Harmful i	f swallowed.	wallowed.					
Dermal exposure	e: Harmful i	f absorbed throug	jh skin. May caι	use skin irritation	ı.			
Inhalation expos	ure: Harmful i	f inhaled. May cau	ıse respiratory t	ract irritation.				
Eye exposure:	May caus	e eye irritation.						
	·							
Repeate	ed dose toxicity (subacute, subchro	onic, chronic)					
	Dose	Exposure time	Species	Method	Evaluation	Note		
Subacute oral	No information	on No information available	No information available	No information available	No information available	–		
Subacute dermal	No information	on No information available	No information available	No information available	No information available	-		
Subacute inhalation	No information	on No information available	No information available	No information available	No information available	-		
Subchronic oral	No information	on No information available	No information available	No information available	No information available	-		
Subchronic dermal	No information	on No information available	No information available	No information available	No information available	-		
Subchronic inhalation	No information	on No information available	No information available	No information available	No information available	-		
Chronic oral	No information	on No information available	No information available	No information available	No information available	-		
Chronic dermal	No information	on No information available	No information available	No information available	No information available	-		
Chronic inhalation	No information	on No information available	No information available	No information available	No information available	-		



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Subacut		No information available			No information available	-	
	te dermal	No information available		No information available		-	
	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	ic dermal No information available				No information available	-	
Chronic	ic inhalation No information available				No information available	-	
		arcinogenicity; mutagenicit		•			
	Carcinogenicity	y :	Based on available data, the classification criteria are not met.				
	Mutagenicity <i>ii</i>	n vitro:	Based on available data, the classification criteria are not met.				
	Genotoxicity:		Based on available data, the classification criteria are not met.				
	Mutagenicity <i>ii</i>	า vivo:	Based on available data, the classification criteria are not met.				
	Germ cell muta	agenicity:	Based on available data, the classification criteria are not met.				
	Reproductive t	oxicity:	Based on available data, the classification criteria are not met.				
	Summary of properties:	evaluation of the CN	EMR Based on available data, the classification criteria are not met.				
11.2.	Information or	other hazards:					
11.2.1.	Endocrine disru	upting properties:					
	Based on avai	lable data, does not cont uptors.	ain	-			
11.2.2.	Other informat	ions:					
	_						

SECTION 12. Ecological information						
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-



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Crustacea:		EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic p	olants	IC ₅₀	4 days	No information available	No information available	No information available	-
Other organism	15	-	-	-	-	-	-
Chronic (long-t toxicity	erm)	Dose	Exposur time	e 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 p	olants	IC ₅₀	72 hours	No information available	No information available	No information available	_
Other organism	าร	-	-	-	-	-	-
	ence ar	nd degradab Idation	ility				
	De	gradation ha	If-lives	Method	Evaluatio	n	Note
	No ir	nformation available		No information	No information - available		
Marine water	INUII	nformation a	vailable	available		-	
		nformation a				-	
Fresh water	No in		vailable	available No information	available No informatio	n _	
Marine water Fresh water Air Soil	No in	nformation a	vailable vailable	available No information available No information	available No informatio available No informatio	n	
Fresh water Air Soil	No in	nformation and of the state of	vailable vailable	available No information available No information available No information	available No informatio available No informatio available No informatio	n	
Fresh water Air Soil	No in No in No in	nformation and of the state of	vailable vailable vailable	available No information available No information available No information	available No informatio available No informatio available No informatio	n n	Note



Adsorption / desorption

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Produ	ct code:	OK1-	-OT-X**		Date	Date of compilation: 23 Dec 2022		2022	Version:		4		
12.2	D:												
12.3	Bioaccum Octanol-w		rtition coef	ficient (log Kow)							
Valu		ncentra		Н	°C		ethod		Evalu	ation		Note	
-	-		-	/11		-	ctriou		-	ation	_	11010	
	<u> </u>		1	!	I								
	Bioconcer	ntration	factor (BCF)									
\	/alue		Species			Method	b		Evaluati	on		Note	
	rmation	No	inforn	nation	No info		on		informati	on	_		
availab	le	availa	ble		availab	le		ava	ilable				
	Chronic e	cotoxici	tv										
	i .			Exp	osure								
	Value		Dose		ime	Sp	ecies	N	1ethod	Evalu	ation	Note	!
Chuani	- 4	t; - -	1.6	No		No		No		No	- 4:		
Chronic	c toxicity on	TISN	LC ₅₀	1	1		mation able		ormation ilable	informa availab		-	
Cl	_ 4			No		No		No		No			
	c toxicity on ea (<i>Daphnic</i>		EC ₅₀		mation	1	mation		ormation	inform		-	
				avail	able	availa	able	ava	ilable	availab	le		
12.4	Mobility in	n soil											
12.4	· · · · · · · · · · · · · · · · · · ·		ed distribut	ion in 6	nvironm	nental (compart	ment	łc·				
	No inform	•			21141101111	iciitai	compart	IIICII					
	Surface te												
	Value		°C	С	oncentra	ition		Me	ethod			Note	
	No information available		o formation vailable		informa ailable	tion	No inf availat		ation	_			



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Transpo	rt A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-wat	No information available	No informati on available	No information available	No information available	-
Water-a	ir No information available	No informati on available	No information available	No information available	-
Soil-air	No information available	No informati on available	No information available	No information available	-
12.5	Results of PBT and vPvB asse Based on available data, the		s not contain any PRT or	vPvR substances	
	based off available data, the	product doc	3 Hot contain any 1 b1 of	VI VD Substances.	
12.6		:			
12.6.	Endocrine disrupting propert				
	Based on available data, doe	s not contair	endocrine disruptors.		
12.7.	Other adverse effects				
12.7.	No information available				
	NO IIIIOITIIatiOII available				
SECTIO	N 13. Disposal consideration	nc			
13.1	Waste treatment methods				
13.1	waste treatment methods				
13.1.1.	Product/Packaging disposa	al:			
	Submit for disposal to the Protection.		authorized by the Minis	try of Environmental	and Nature
	,				
13.1.2.	Waste codes/waste design	ations accord	ding to Law:		
	15 01 10*: Packaging that of substances	contains resid	dual hazardous substanc	es or is contaminate	d with hazardous
13.1.3.	Waste treatment – relevant	: information	1:		



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13.1.4.	Sewage disposal – relevant information:						
	Waste must not be disposed	d of into the sewage system.					
13.1.5.	Other disposal recommenda	ations:					
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge.						
13.1.6.	Relevant Community provisi	ions:					
	-						
SECTION	I 14 TRANSPORT INFORMAT	TION					
-	Transporting/shipment by roa	nd (ADR)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing group:		-					
Environmentally hazardous:		-					
Special p	recautions for user:	-					
-	Transporting/shipment by rail	(RID)					
UN numb	oer:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing o	group:	-					
Environm	nentally hazardous:	-					
Special p	recautions for user:	-					
	Inland waterway transport (AD	ON)					
UN numb	oer:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing o	group:	-					
Environm	entally hazardous:	-					
Special p	recautions for user:	-					
-	Transporting/shipment by sea	(IMDG)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transport hazard class(es):		-					



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

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



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Trading name:	ACETIC ACID, 1% SOLUTION				
Product code:	OK1-OT-X**	Date of compilation: 23 Dec 2022	Version:	4	

		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;
	Other EU regulations:	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;
		COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according guideline)	1999/13/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 assessr	ment
	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			



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

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Trading name:	ACETIC ACID, 1% SOLUTION				
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16.3.		literature references and rce of data:	-		
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classification		1	Classification procedure		
_			-		
16.5.	Rele	evant H statements (num	ber and full text)		
		226	Flammable liquid and vapour.		
	H:	314	Causes severe skin burns and eye damage.		
16.6.	Trai	ning advice:	-		
			** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	16.7. Further information:		We are not responsible for consequences in case of failure to compr		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 sa	afety assess	ment

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Trading name:	ANILINE BLUE REAGENT					
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 5		

SECTI	ON 1: Identification of	the substa	ance/mixture a	nd of the company/undertaking		
1.1.	Product identifier					
	Trading name:	ANILINE	BLUE REAGENT	Т		
	Chemical name:	-				
	Catalogue number:	ABR-OT)T-X**			
1.2.	Relevant identified uses of the substance or mixture and uses advised against			ture and uses advised against		
	Uses:		Counterstain (used with Masson Trichrome kit.		
	Uses advised against:	Uses advised against:		tified uses are advised.		
	Reason why uses advi	sed	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes			
1.3.	Details of the supplier	of the saf	ety data sheet			
	Supplier:		BioGnost Ltd.			
	Address:	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997			
	Fax no.:		+385 1 2404039			
	e-mail of competent p	person:	msds@biognost.hr			
	National contact:		-			
	4. Emergency telephone number					
1.4.	Emergency telephone	number				
1.4.	Emergency telephone National Protection as		Directorate:	112		
1.4.	, ,		Directorate:	112 +385 1 2348 342		

SECTIO	ECTION 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 ful	l text of Hazard- and EU Hazard-sta	atements: see S	ection 16				
2.2.	Label elements						
	Product identification:	ANILINE BLU	E REAGENT				
	Identification number:	-					
	Authorization no.:	-					
	Hazard pictograms: -						



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

amended by Regulation (EU) No. 2020/878

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Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 5

	Signal word:	-			
	Hazard statements:	-			
	Precautionary statements:	-			
	Further information:	-			
2.3.	Other hazards				
	Endocrine Disrupting Propertie	ss:			
	No known endocrine disrupting properties				
	Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not a PBT or a vPvB.				

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

SECTIO	TION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:		-		
	Following inhalation:		No information available		
	Following skin contact:		No information available		
	Following eye contact:		No information available		
	Following ingestion:		No information available		
	Self-protection of the first a	ider:	Treat symptomatically.		
4.2.	Most important symptoms	and eff	ects, both acute and delayed		
	Following inhalation:	No i	nformation available		
	Following skin contact:	No i	nformation available		
	Following eye contact:	No i	nformation available		
	Following ingestion:	No i	No information available		
4.3.	Indication of any immediate medical attention and special treatment needed				
	-				

SECTION 5 Firefighting measures				
5.1.	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam		



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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 (see Section 8).				
6.2.	Environmental precautions:					
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Nation 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					
	See Section 7 for information about secure handling.					
	See Section 8 for information about personal protective equipment.					
	See Section 13 for information	See Section 13 for information about containment.				



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Trading name:	ANILINE BLUE REAGENT				
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 5	

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

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



Air

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

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				rage 3 or ro	
Trading name:	ne: ANILINE BLUE REAGENT				
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 5	
EC No: -	CAS No: -				

EC No: -	CAS No:	-				
DNEL						
		Inc	dustrial			
Route of	Acute	Acut	e	Chronic	Chronic	
exposure:	effect local	effect sys	temic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	-	-		-	-	
Dermal	-	-		-	-	
Critical physical para	meters: solubility, fla	ammability, cor	rosivity:	-		
Consumer						
Route of	Acute	Acute		Chronic	Chronic	
exposure:	effect local	effect sys	temic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	-	-		-	-	
Dermal	-	-		-	-	
PNEC						
Environmental prote	ction target		PNEC			
Fresh water			No information available			
Freshwater sediment	S		No information available			
Marine water			No information available			
Marine sediments			No information available			
Food chain			No information available			
Microorganisms in se	ewage treatment		No information available			
Soil (agricultural)			No information available			

8.2.	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measures to prevent exposure during identified uses:	Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
	Structural measures to prevent exposure:	No information available			
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prevent exposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			

No information available



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Trading name:	ANILINE BLUE REAGENT					
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 5		

8.2.2.	Personal protection equip	oment				
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	Skin protection					
	Hand protection:		Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min			
	Other skin protection:		Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves (EN 13034), and shoes that cover the entire foot (EN 10335).			
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with filter for organic vapors, type "A" (boiling point >65°C) according to EN 14387) used when concentration levels exceed GVI.				
8.2.2.4.	Thermal hazards:	No inf	ormation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relate measures to prevent expe		See Section 6			
	Structural measures to 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			

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



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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	Information on toxicological effects							
Acute tox	Acute toxicity:							
Route of exposure:	Method	Species	Effective dose Ex ies LD ₅₀ /LC ₅₀ or ATE _{mixture}		Results			
Oral exposure:	No information available	-	LD ₅₀	-	-			
Dermal exposure:	No information available	-	LD ₅₀	-	-			
Inhalation exposure:	No information available	-	LC ₅₀	-	-			
Specific ta	rget organ toxicity – sir	ngle exposure (S	STOT SE):					
	Specific e	ffects	Target orgai	n	Note			



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Product code:	Product code: ABR-OT-X**		ate of compila	Version:	5			
Oral exposure:	No informa	ation available	No information available -					
Dermal exposure	: No informa	ation available	No information available -					
Inhalation expos	ure: No informa	ation available	No infor	mation availa	ble	-		
Respira	tory irritation:	N	o information a	vailable				
Irritatio	n and corrosion							
mitation	Exposure tim	ne Speci	ies Ev	aluation	Method	Not	<u> </u>	
Skin irritation:		-	-		-	-		
Eye irritation:	-	-	-		-	_		
			·					
Sensitiz	ation							
Dermal exposure	: No information	n available						
Inhalation exposure:	No information	n available						
ехрозите.								
Sympto	ms related to the p	hvsical, chemic	al and toxicolog	nical characte	ristics			
Oral exposure:	No information		<u></u>	great erial acte.				
Dermal exposure								
Inhalation exposure:	No information	available						
Eye exposure:	No information	available						
· ·	3							
Repeate	ed dose toxicity (sub	pacute, subchro	onic, chronic)					
	Dose	Exposure time	Species	Method	Evaluation	Note	!	
Subacute oral	ubacute oral No information infor available		No information available	No informatio n available	No informavailable	ation -		
Subacute dermal	No information available	No information available	No information available	formation informatio		ation _		
Subacute inhalation	No information available	No information available	No information available	No informatio n available	No informavailable	ation _		
Subchronic oral	No information available	No information available	No information available	No informatio n available	No informa	ation _		



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Subchronic dermal		o information ailable No information information available No available			No informatio n available	available		-	
Subchronic inhalation			No information available			No informatio n available	No information available		-
Chronic oral	Chronic oral No information available		No information available	No on information available		No informatio n available	No infor		-
Chronic dermal	No availa	information able	No information available	No nation information		No informatio n available	No infor		-
Chronic inhalation	No availa	information able	No information available		rmation lable	No informatio n available	No infor available		-
Specific	c target	organ toxicit	y – repeated e	xposu	ire (STOT	RE):		1	
		Spe	cific effects	effects		Target organ			Note
Subacute oral			tion available			mation available -		-	
Subacute derma		No informa	ition available			mation availab	le	-	
Subacute inhala	tion		tion available			ormation available -		-	
Subchronic oral			ition available			mation availab		-	
Subchronic derr			ition available					-	
Subchronic inha	lation		ition available			information available		-	
Chronic oral			ition available			mation availab		-	
Chronic dermal			ition available			-			
Chronic inhalation	on	No informa	ition available		No infor	mation availab	ile	-	
CMR et	ffects (c	arcinogenicit	y, mutagenicity	y, repi	roductive	toxicity)			
	genicity				on availab				
	enicity <i>ii</i>		No info	rmati	nation available				
Genoto	Genotoxicity: No informa			rmati	nation available				
Mutagenicity <i>in-vivo</i> : No in		No info	No information available						
Germ cell mutagenicity: No in			No info	rmati	on availab	le			
Reprod	Reproductive toxicity: No i				on availab	le			
Summa	ary of ev	valuation of the	ne CMR prope	rties.	-				
Juilille	ary Or ev	raiuatiOII OI ti	ic civily prope	ı ues.					



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Trading name:		ANILINE BLUE R	EAGENT	
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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 informations:
	-

SECTION 12. Ecological information									
12.1. Toxicity									
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
			No information	No					

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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Trading name:		ANILINE BLUE R	EAGENT		
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Marine water No information available No information available No information available	Abioti	c degradat	ion		-						
No information available No information available - Fresh water No information available No information No information No information No information available No information No information available No information No information No information No information No information available No information available No information No info		Degrada	ation half-l	lives		Method			Evaluatio	n	Note
No information available No information No information No information No information available No information No inf	Marine water	No inform	ation avail	lable	No info	ormation availab	ole	No information available		nilable	-
Biodegradation Solid No information available No information	Fresh water	No inform	ation avail	lable	No info	ormation availab	ole	No inform	nation ava	ilable	-
Biodegradation Time (days) Method Evaluation Note	Air	No inform	ation avail	lable	No info	ormation availab	ole	No inform	nation ava	ilable	-
No pegradation Time (days) Method Evaluation Note	Soil	No inform	ation avail	lable	No info	ormation availab	ole	No inform	nation ava	ilable	-
No pegradation Time (days) Method Evaluation Note	Biode	gradation									
No information available			me (davs)		N	//ethod	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Evaluatio	n	N	lote
Partition coefficient: n-octanol/water (log Kow): Value	No informatior available	n No	informa	ation							ation
Partition coefficient: n-octanol/water (log Kow): Value											
Value Concentration pH °C Method Evaluation Note No information available No information available No information available No information available No information Note Value Species Method Evaluation No information No information available No information available No information available No information available No information available Chronic ecotoxicity Value Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC50 No information available No information information available No information available -	12.3. Bioacc	cumulative	potential								
No information available No information available No information available No information available						-					
Bioconcentration factor (BCF) Value Species Method Evaluation No information available available No information available Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC50 No information available available available No information available a				<u> </u>					Note		
Value Species Method Evaluation Note No information available No information available No information available No information available Chronic ecotoxicity Value Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC50 No information available No information available No information available No information available -	_		nation -		-		1		nation	-	
Value Species Method Evaluation Note No information available No information available No information available No information available Chronic ecotoxicity Value Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC50 No information available No information available No information available No information available -	Biocor	ncentration	factor (BC	CF)							
Chronic ecotoxicity Value Dose Exposure time Species Method Evaluation Note information available LC50 No information available No information available No information available					N	/lethod		Evaluat	ion		Note
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	No informatior available	o information No information		ation							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
Thronic toxicity on fish LC ₅₀ No information available	Chron	ic ecotoxic	ity								
Chronic toxicity on fish LC_{50} information available information available information available LC_{50} Information available LC_{50} information available LC_{50}	Value	е	Dose			Species		Method	Evalı	uation	Note
Chronic toxicity on EC ₅₀ No No No No information -	Chronic toxicity	on fish	LC ₅₀	in	formation	information	int	formation			_
	Chronic toxicity	on	EC ₅₀	N	0	No	No	0	No info	rmation	-



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crustace	ea (D	aphnia)		1	1	nfori availa	mation able	informatior available	available		
12.4.	Mol	oility in soi	il								
	Kno	wn or pred	dicted distributi	on ir	n environmer	ntal d	compart	ments:			
	No	informatio	n available								
	Surf	ace tensio	n:								
	,	Value	°C		Concentrat	ion		Method			Note
		rmation lable	No informati available	on	No information available		No inf	ormation ava	nilable	-	
	Ads	orption / c	desorption								
Transpo	ort	•	coefficient 's constant	log Kow			Evaporation rate		Method		Note
Soil-wa	ter	No available	information			No information available No information available		nation	No informatio available	n -	
Water-a	air	No available	information		information iilable		No information available		No informatio available	ın -	
Soil-air		No available	information		information iilable		o inform ailable	nation	No informatio available	ın -	
12.5.	Resi	ults of PBT	and vPvB asses	ssme	ent						
	acco	ording to F	e/mixture does r REACH Article 5 J) 2018/605 at l	7(f) d	or Commissio	on D	elegated				
12.6.	End	ocrine disr	rupting properti	ies							
	acco	ording to F	e/mixture does r REACH Article 5 J) 2018/605 at I	7(f) d	or Commissio	on D	elegated				
12.7.	Oth	er adverse	effects								
			n available								



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Trading name:		ANILINE BLUE R	REAGENT		
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version:	5

SECTION	l 13. Disposal considerat	ions	
13.1.	Waste treatment method	ds	
13.1.1.	Product/Packaging dispo	ocal·	
15.1.1.	3 3 .		
	Protection.	ne legal person authorized by the Ministry of Environmental and Nature	
13.1.2.	Waste codes/waste design	gnations according to Law:	
	No information available		
13.1.3.	Waste treatment – releva	ant information:	
	No information available	•	
13.1.4.	.4. Sewage disposal – relevant information:		
Waste must not be disposed of into the sewage system.			
13.1.5.	Other disposal recomme	endations:	
	authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors ry 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:	
	-		
SECTION	l 14. Transport informati	on	
	Transporting/shipment by	road (ADR)	
UN num	ber:	Not subject to transport regulations.	
UN prop	er shipping name:	-	
Transpor	t hazard class(es):	-	
Packing group:		-	
Environmentally hazardous:		-	
Special precautions for user: -			
	Transporting/shipment by	rail (RID)	
UN number: Not subject to transport regulations.			
IINI mram	er shipping name:	_	



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Trading name:		-			
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version:	5

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

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



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Trading name:	ANILINE BLUE REAGENT				
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version:	5

		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;
	Other EU regulations:	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		



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

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Trading name:	ANILINE BLUE REAGENT					
Product code:	ABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 5		

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

ANNEX:

Exposure scenario resulting to Chemical safety assessment



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT				
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

SECTI	ON 1: Identification of	the substa	ance/mixture a	and of the company/undertaking		
1.1.	Product identifier	,				
	Trading name:	BIEBRIC	H SCARLET-ACI	D FUCHSIN REAGENT		
	Chemical name:	-	-			
Ì	Catalogue number:	BSAF-O	BSAF-OT-X**			
1.2.	Relevant identified us	es of the s	ubstance or mix	cture and uses advised against		
	Uses:		For use with	special staining kits.		
	Uses advised against:		Only the ider	ntified uses are advised.		
	Reason why uses advi	sed	device, regist	is intended for use only as an <i>in vitro</i> diagnostic medical ered at the Agency for Medicinal Products and Medical there is no reason to use it for other purposes		
1.3.	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska	59, Zagreb		
	Address:		Medjugorska	97		
	Address: Telephone number:	person:	Medjugorska +385 1 24099	97 39		
	Address: Telephone number: Fax no.:	person:	Medjugorska +385 1 24099 +385 1 24040	97 39		
1.4.	Address: Telephone number: Fax no.: e-mail of competent p		Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39		
1.4.	Address: Telephone number: Fax no.: e-mail of competent positional contact:	number	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39		
1.4.	Address: Telephone number: Fax no.: e-mail of competent positional contact: Emergency telephone	number	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 98 98 98 98 98 98		

SECTIO	ECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture						
2.1.1.	Classification according to Regulati	ion (EC) No 12	272/2008 (CLP)				
	Hazard class and category	code:	Hazard statements*:				
	Not identified as hazardous substa	nce.	-				
2.1.2.	Additional information						
	-						
*For ful	l text of Hazard- and EU Hazard-stat	ements: see S	ection 16				
2.2.	Label elements						
	Product identification:	BIEBRICH SCA	ARLET-ACID FUCHSIN REAGENT				
	Identification number: -						
	Authorization no.:						
	Hazard pictograms:	-					



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Trading name:	BI	T		
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

	Signal word:	-		
	Hazard statements:	-		
	Precautionary statements:	-		
	Further information:	-		
2.3.	Other hazards			
	Endocrine Disrupting Properties:			
	No known endocrine disrupting properties Results of PBT and vPvB assessment : According to the results of its assessment, this substance is			
	PBT or a vPvB.			

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

SECTION 4. First aid measures				
4.1.	Description of first aid measures			
	General notes:		-	
	Following inhalation:		No information available	
	Following skin contact:		No information available	
	Following eye contact:		No information available	
	Following ingestion:		No information available	
	Self-protection of the first aider:		Treat symptomatically.	
4.2.	Most important symptoms and effects, both acute and delayed			
	Following inhalation:	No i	nformation available	
	Following skin contact:	No i	No information available No information available	
	Following eye contact:	No i		
	Following ingestion:	No i	information available	
4.3.	Indication of any immediate medical attention and special treatment needed			
	-			

SECTION 5 Firefighting measures			
5.1.	Extinguishing media		
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO ₂	
		Large fire - water spray or alcohol-resistant foam	



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT			Г
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

	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 personne				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	2. For emergency responders:				
	Wear protective equipment (see Section 8).				
6.2.	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for co	erial 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				
	See Section 7 for information See Section 8 for information See Section 13 for information	about personal protective equipment.			



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT			
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

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

SECTIO	ON 8. Exposure contro	ols/personal prote	ction		
8.1.	Control parameters				
	Substance	CAS No		exposure limit term values	Biological limit values
			ppm	mg/m³	
-		-	-	-	No information available
Substa name:	nce -				



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- "										
Trading na	ame:			BIEB	RICH SO	CARLET-A	CID F	FUCHSIN REAGE	NT	·
Product co	ode:	BSAF-O	T-X**		Date o	f compilat	ion:	21 Dec 2022	Version:	4
EC No:	-		CAS No:	-						
DNEL										
					Ind	lustrial				
Route of			Acute		Acute	-		Chronic	Chro	
exposure:		effe	ect local	(effect sys	temic		effect local	effect sy	/stemic
Oral		-		-			-		-	
Inhalation		-		-			-		-	
Dermal		-		-			-		-	
Critical phy	sical par	ameters: s	olubility, fla	mma	bility, cor	rosivity:	-	-		
					Cor	nsumer				
Route of			Acute		Acute			Chronic	Chro	
exposure:		effe	ect local	(effect sys	temic		effect local	effect sy	/stemic
Oral		-		-			-		-	
Inhalation		-		-			-		-	
Dermal		-		-			-		-	
PNEC										
Environmer	ntal prote	ection tar	get			PNEC				
Fresh water	r					No inform	nation	available		
Freshwater	sedimen	its				No inform	rmation available			
Marine wat	er					No information available				
Marine sed	iments					No information available				
Food chain						No information available				
Microorgan	nisms in s	sewage tr	eatment			No information available				
Soil (agricu	ltural)					No information available				
Air						No information available				
8.2.	Exposu	re contro	ls							
8.2.1.	Approp	oriate eng	ineering co	ntrols						
		-	re related		Use the	product in	well v	ventilated rooms. U	se nersonal n	rotective
		res to prev identified	vent exposu uses:	re		•		drink or smoke in th		
	Structu exposu		res to preve	ent	No info	rmation ava	ailable	2		
	Organisational measures to C			Organization of work in order to reduce other worker's influence						
		cal measu	res to preve	nt	Secure p	during work process. Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT			
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

8.2.2.	Personal protection equip	oment				
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	2. Skin protection					
	Hand protection:	Protective gloves must be according to the EU Directive 2016/425/8 standard EN 374. Glove material: nitrile rubber				
			Glove thickness: ≥0.50 mm Break through time: >480 min			
	Other skin protection:	Wear antistatic clothing made of natural fibers (such as cotton) with lon sleeves (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN () used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	formation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relate measures to prevent expe		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 pr exposure:	event	See Section 6			

SECTI	ON 9. Physical and chemical propertie	S	
9.1.	Information on basic physical and che	emical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	red	No information available
	Odour/odour threshold:	No information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT			
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

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

SECTIO	SECTION 10. Stability and reactivity							
10.1.	Reactivity:	See subsections 10.3 through 10.5.						
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.						
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. Toxi	cological information										
11.1. Information	Information on toxicological effects										
Acute tox	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 ta	arget organ toxicity – sir	ngle exposure (S	STOT SE):								
	Specific effects Target organ Note										



available

available

available

available

No information

No information

No information

Subacute

Subacute

inhalation

Subchronic oral

dermal

available

information

information

information

available

available

available

No

No

No

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

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available

available

available

available

No information

No information

No information

n available

informatio

n available

informatio

n available

informatio

n available

No

No

No

Trading name:		BIEBRICH SCARLET-ACID FUCHSIN REAGENT									
Product code:	BSAF-OT-X**	Da	ate of compilat	ion: 21 De	c 2022	Version: 4					
Oral exposure:	No informa	ation available	No infor	mation availal	ole -						
Dermal exposure		ation available		mation availab							
Inhalation expos		ation available		mation availab							
milatation expos	arc. Two informe	ation available	TWO IIIIOI	Thation availab							
Respira	tory irritation:	N	lo information a	vailable							
Irritatio	n and corrosion										
IIIItatio	Exposure tim	ie Spec	ies Fv	aluation	Method	Note					
Skin irritation:	-	-	-								
Eye irritation:	-	_	_								
,	<u> </u>										
Sensitiz	ation										
Dermal exposure	e: No information	available									
Inhalation exposure:	No information	available									
	:										
Sympto	ms related to the pl	nysical, chemic	al and toxicolog	jical character	istics						
Oral exposure:	No information	available									
Dermal exposure	e: No information	No information available									
Inhalation exposure:	No information	available									
Eye exposure:	No information	available									
Repeate	ed dose toxicity (sub	acute, subchro	onic, chronic)								
	Dose	Exposure time	Species	Method	Evaluation	Note					
Subacute oral	No information available	No information	No information	No informatio	No informat	ion -					

available

available

available

available

information

information

information

No

No

No



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT							
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version: 4				

			·	· y · · · · · · · · · · · · · · · · · ·		·	· •			
Subchronic dermal			No information available	No informatavailable		No informatio n available	No infor		-	
Subchronic inhalation			No information available	formation information		No informatio n available	No information available		-	
Chronic oral	No availa	information able	No information available	No informa available		No informatio n available	No infor		-	
Chronic derr	nal No availa	information able	No information available	No information		No informatio n available	No infor		-	
Chronic inhalation	No availa	information able	No information available	No informa available		No informatio n available	No infor		-	
Spe	cific target	1	y – repeated e	xposure (
		•	cific effects			Target organ			Note	
Subacute or			ntion available			nation available -				
Subacute de			tion available		No information available		-			
Subacute inh			ition available		No information available			-		
Subchronic		No informa				nation availab		-		
Subchronic			ition available			nation availab		-		
Subchronic i	nhalation		tion available	<u> </u>		nation availab		-		
Chronic oral			ntion available			nation availab		-		
Chronic derr			ation available					-		
Chronic inna	liation	INO INIOTINA	illon avallable	INC) INIOIN	nation availab	ne	-		
СМ	R effects (c	arcinogenicit	y, mutagenicity	y, reprodu	uctive to	oxicity)				
Car	cinogenicit	y:	No info	No information available						
Mu	tagenicity <i>i</i>	n-vitro:	No info	rmation a	ıvailabl	e				
Ger	notoxicity:		No info	rmation a	ıvailabl	е				
Mu	tagenicity <i>i</i>	n-vivo:	No info	rmation a	ıvailable	е				
Germ cell mutagenicity:			No information available							
Ger	m cen muu	Reproductive toxicity:			No information available					



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT							
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version: 4				

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

SECTION 12. Ecological info	rmation
------------------------------------	---------

A		Exposure		N.A 1	F 1	
Acute toxicity	Dose	time	Species	Method	Evaluation	Note
			No information	No		
Fish	LC ₅₀	96 hours	available	information available	-	-
		40.1	No information	No		
Crustacea:	EC ₅₀	48 hours	available	information available	-	-
Algae/aquatic			No information	No .		
plants	IC ₅₀	8 days	available	information available	-	-
Microorganisms	LC ₅₀	72 hours	-	-	-	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
			No information	No	-	
Fish	LC ₅₀	96 hours	available	information available		-
			No information	No	-	
Crustacea:	EC ₅₀	48 hours	available	information available		-
Algae/aquatic			No information	No	_	
plants	IC ₅₀	72 hours	available	information available		-
Other organisms	_	_	-	_	_	_

12.2. Persistence and degradability



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT						
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Abioti	c degradat	ion					*			
	Degrada	ation half-li	ves		Method			Evaluatio	n	Note
Marine water	No inform	ation availa	able	No info	ormation availab	ole	No inform	nation ava	ailable	-
Fresh water	No inform	ation availa	able	No info	ormation availab	ole	No inform	nation ava	ailable	-
Air	No inform	ation availa	able	No info	ormation availab	ole	No inform	nation ava	ailable	-
Soil	No inform	ation availa	able	No info	ormation availab	ole	No inform	nation ava	ailable	-
Biode	gradation									
% Degradation	_	me (days)		N	/lethod	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Evaluatio	n		Note
No information available		informa	tion	No informavailable	mation		o information	on	No inform available	ation
12.3. Bioaco	cumulative	potential								
	on coefficie				-					
Value	Concentra		рН	°C	Method		Evaluation			Note
_	lo inforr vailable	nation -		-	No information available	1	No inform available	nation	-	
Biocoi	ncentration	factor (BC	F)							
Value		Species	<u>, </u>	N	/lethod		Evaluat	ion		Note
No informatior available	lo information No informa		tion	No information available		No information available		No info		
Chron	ic ecotoxic	ty								***
Valu	e	Dose		Exposure time	Species		Method	Eval	uation	Note
Chronic toxicity	y on fish	LC ₅₀		o formation vailable	No information available	1	o formation vailable	No info availabl	rmation e	_
Chronic toxicity	y on	EC ₅₀	N	0	No	No	0	No info	rmation	-
			-							



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crustac	cea (D	aphnia)		1	ormation ilable	infor	mation able	information available	available	
12.4.	Мо	bility in so	il							
	Knc	wn or pre	dicted distributi	on in	environm	ental o	compart	ments:		
	No	No information available								
	Sur	face tensio	on:							
		Value	°C		Concentra	ation		Method		Note
	No information available		No informati available	on	No		No information available		ilable	-
	Ads	orption /	desorption							
Transp	Transport A/D coefficient Henry's constant				log Kow Evaporation ra		ation rate	Method	Note	
Soil-water No avail		No available	information	No information available			No information available		No information available	1 -
Water-	Water-air No information available		information	No information available			No information available		No information available	1 -
Soil-air No available		information	No information available			No information available		No information available	ı -	
12.5.	Res	ults of PB7	Γ and vPvB asses	ssmei	nt					
	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.			rupting properti							
	acco	ording to		7(f) o	r Commiss	sion D	elegated			disrupting properties 00 or Commission
	, ,									
12.7.	Oth	er adverse	e effects							
	No	informatio	on available							



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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT				
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SECTIO	N 13. Disposal considerat				
13.1.	Waste treatment method	ds			
13.1.1.	Product/Packaging dispo	osal:			
	9 9 1	ne legal person authorized by the Ministry of Environmental and Nature			
13.1.2.	Waste codes/waste design	gnations according to Law:			
	No information available				
42.4.2					
13.1.3.	Waste treatment – releva				
	No information available				
13.1.4.	Sewage disposal – releva	ant 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 pro	ovisions:			
	-				
	- 1				
SECTIO	N 14. Transport informati	on			
	Transporting/shipment by	road (ADR)			
UN num	nber:	Not subject to transport regulations.			
UN prop	per shipping name:	-			
Transpo	rt hazard class(es):	-			
Packing	group:	-			
Environr	mentally hazardous:	-			
Special p	precautions for user:	-			
	Transporting/shipment by	rail (RID)			
UN num	nber:	Not subject to transport regulations.			
UN pror	per shipping name:	-			



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Trading name:	BIEB	-			
Product code:	BSAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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

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

SECTIO	ON 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



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

amended by Regulation (EU) No. 2020/878

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Trading name:	BIEBRICH SCARLET-ACID FUCHSIN REAGENT				
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16.3.	Key literature references and source of data:	-	
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		
Classifi	cation	Classification procedure	
_		-	
16.5.	Relevant H statements (num	ber and full text)	
	H: -	-	
16.6.	Training advice:	-	
		** "X" in the product code marks different volumes (different packagings of the product)	
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX:

Exposure scenario resulting to Chemical safety assessment



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Trading name:		BOUIN'S	SOLUTION	_	
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

1.1.	Product identifier	he substance	e/mixture a	nd of the company/undertaking			
1.1.		DOLUNIC CA					
	Trading name:	ROUIN'S SO	BOUIN'S SOLUTION				
	Chemical name:	-					
	Catalogue number:	BOU-OT-X	BOU-OT-X**				
1.2.	Relevant identified use	es of the subs	tance or mix	cture and uses advised against			
	Uses:		Aqueous s tissue fixat	olution of picric acid, formaldehyde and acetic acid for ion.			
	Uses advised against:		Only the ic	dentified uses are advised.			
Reason why uses advised against: medical device, registered at the Agency fo				ct is intended for use only as an <i>in vitro</i> diagnostic evice, registered at the Agency for Medicinal Products and evices 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: B		BioGnost Ltd.				
	Address:	V	Medjugorska 59, Zagreb				
	Telephone number:	+	+385 1 2409997				
	Fax no.:	+	+385 1 2404039				
	e-mail of competent p	erson: <u>m</u>	msds@biognost.hr				
	National contact:	-	-				
1.4.	Emergency telephone	number					
	National Protection an	d Rescue Dir	ectorate:	112			
	Medical information:			+385 1 2348 342			
	Other information:			-			

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 127	72/2008 (CLP)			
	Hazard class and category code: Hazard statements*:				
	Acute Tox. 4	H302			
	Acute Tox. 4	H312			
	Skin Irr. 2	H315			
	Skin. Sens. 1	H317			
	Eye Irr. 2	H319			
	Acute Tox. 4	H332			
	STOT SE 3	H335			
	Muta. 2	H341			
	Carc. 1B	H350			



SAFETY DATA SHEET

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

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Trading name:	BOUIN'S SOLUTION						
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7		

2.1.2.	Additional information							
	Endocrine Disrupting Prop	perties:						
	No known endocrine disrupt							
	Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not							
4F (PBT or a vPvB.							
	Ill text of Hazard- and EU Hazard-statements: see Section 16							
2.2.	Label elements							
	Product identification:	BOUIN'S SOLUTION						
	Identification number:	-						
	Authorization no.:	-						
	Hazard pictograms:	GHS08 GHS07						
	Signal word:	Danger						
	Hazard statements:	 H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H350 May cause cancer. 						
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye/protection/face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water and soap. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/attention.						
	Further information:	-						
2.3.	Other hazards							

SECTION 3. Composition/information on ingredients



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CAS/ EC/ Index no.	REACH Registration No	Mass %	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
50-00-0/ 200-001-8/ 605-001-00-5	01-2119488953-20- XXXX	7 -10 %	formaldehyde, 37%	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin. Corr. 1B; H314 Skin. Sens. 1; H317 Acute Tox. 3; H331 Muta. 2; H341 Carc. 1B; H350
64-19-7/ 200-580-7/ 607-002-00-6	-	4- 5 %	acetic acid, glacial	Flam. Liq. 3; H226 Skin Corr. 1A; H314
88-89-1/ 201-865-9/ 609-009-00-X	-	< 1 %	picric acid	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331

SECTI	ON 4. First aid measures			
4.1.	Description of first aid measures			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.		
	Following inhalation:	Remove person to fresh air. If breathing stops, immediately apply artificial respiration. If breathing difficulties occur, use emergency breathing apparatus. If the symptoms persist, immediately consult a physician.		
	Following skin contact:	Take off immediately all contaminated clothing. Immediately wash with plenty of water and soap for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain. Rinse out with plenty of water with the eyelid held wide open for at least 10 minutes. If the symptoms remain, immediately call in ophthalmologist.		
	Following eye contact:			
	Following ingestion:	Rinse the oral cavity, drink at most 1-2 glasses of water. Do not induce vomiting. 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 e	effects, both acute and delayed		
	Following inhalation: se	itation of the mucous membrane of the nose/throat may occur (burning nsation, urge to sneeze, and runny nose). High concentration may cause fficult breathing, coughing fits, chest tightness, headache, vertigo and owsiness.		



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	Following skin contact:	Irritation, redness with stinging and pain, skin cracking, rash, swelling, burns, blisters and delayed onset of inflammatory processes may occur.
	Following eye contact:	Depending on concentration and exposure time, mucosa stinging, lacrimation, redness and pain may occur, as well as bleeding, delayed onset of inflammatory processes and permanent eyesight damage.
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting (possibly of bloody content).
4.3.	Indication of any immedia	te medical attention and special treatment needed
	-	

SECTIO	ION 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:	Possible liberation of toxic carbon monoxide and formaldehyde gases due to thermal decomposition (increased temperature). Explosive mixtures of formaldehyde vapors and air, and methanol and air also present danger.			
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, in order to prevent explosion.				
5.4.	Additional information				
	Remove sources of heat and ignition	n. Do not contaminate the environment with extinguishing media.			

SECTIO	ECTION 6. Accidental release measures					
6.1.	Personal precautions, protective equipment and emergency procedures					
6.1.1.	.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 methods without protective equipment. Avoid breathing vapors and avacontact with skin and eyes. Remove all sources of sparks and in 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).					



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6.2.	Environmental precaut	Environmental precautions:		
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material	for containment and cleaning up		
6.3.1.	For creating barriers, covering and sealing:	Sand or clay parriers		
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 involved materials with water.		
6.3.3.	Other information:	Do not use tools that may cause sparks.		
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 info	rmation about containment.		

SECTIO	ON 7. Handling and storage		
7.1.	Precautions for safe handling		
7.1.1.	Protection measures		
	Measures to prevent fire:		se in well ventilated storage rooms. Keep away om sources of heat and ignition. Carry out leasures for preventing static electricity.
	Measures to prevent aerosol and dust generation	n: Se	ecure proper ventilation.
	Measures to protect the environment:		revent spilling into the sewage system and aterways.
	Other measures:	-	
7.1.2.	Advice on general occupational hygiene:		
	Do not eat, drink or smoke in the workspace. Th	orough	ly wash hands after work and before eating.
7.2.	Conditions for safe storage, including any incon	npatibili	ties
	Technical measures and storage conditions:	•	n tightly closed and upright set containers in a well ted storage rooms at temperatures ranging from 25°C.
	Packaging materials:	Manuf	acturer's original packaging.
	Requirements for storage rooms and vessels:	•	way from food and drink. Keep the containers closed.



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

SECTION	ON 8. Exp	osure	e contro	ols/persona	l protec	tion			
8.1.	Contro	l para	meters						
	Substa	nce		CAS No		•	exposure limit t term values	Bio	logical limit values
04.001400					ppm	mg/m³			
Forma	aldehyde			50-00	0-0	0.3/0.6	0.37/0.74		-
Acetic	acid, glac	ial		64-19)-7	10/20	25/50		-
-									
Substaname:		-							
EC No) :	-		CAS No:	-				
DNEL									
						Industrial			
Poute	of expos	curo.	Acute			Acute	Chronic		Chronic
Noute	or expos	oure.	effe	ct local	eff	ect systemic	effect loc	al	effect systemic
Oral			-		-		-		-
Inhala	tion		0.75 m (forma	g/m³ ldehyde)	-		0.375 mg/m ³ (formaldehyde))	9 mg/m³ (formaldehyde)
Derma	al		-		-		0.037 mg/cm ² (formaldehyde))	240 mg/kg (formaldehyde)
Critica	l physical	paran	neters: s	olubility, fla	mmabili	ty, corrosivity:	-		
Consumer									
Route	of evnos	ilre.	_	Acute		Acute	Chronic		Chronic
Route of expos		Jui E.	effe	ect local	eff	ect systemic	effect loc	al	effect systemic
Oral			-		-		-		4.1 mg/kg (formaldehyde)



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					T	•	Γ	•
Inhalation	ı	-	-		0.1 mg/m³ 3.2 mg/m³ (formaldehyde) (formaldehyde)			
Dermal		-	-		0.012 mg/cm ² (formaldehyde)		120 mg/ (formald	-
PNEC								
Environme	ental prote	ection target		PNEC				
Fresh wate	er			0.44 mg/	(I (formaldehyde)			
Freshwate	r sedimer	its		2.3 mg/k	g (formaldehyde)			
Marine wa	ater			0.44 mg/	(l (formaldehyde)			
Marine se	diments			2.3 mg/kg (formaldehyde)				
Food chai	n			No information available				
Microorga	anisms in s	sewage treatment		0.19 mg/l (formaldehyde)				
Soil (agric	ultural)			0.2 mg/kg (formaldehyde)				
Air				No information available				
	:							
8.2.	Exposu	ire controls						
8.2.1.	Appro	oriate engineering cor	ntrols					
		nce/mixture related m t exposure during ide		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			•	
	Structu	ıral measures to preve	ent exposure:	No information available				
	Organi exposu	ganisational measures to prevent			Organization of work in order to reduce other worker's influence during work process.			ner worker's
	Techni	cal measures to preve	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			•		
8.2.2.	Person	al protection equipme	ent					
8.2.2.1.	Eye an	d face protection:	f concentr	t stick to face (EN ation in air; protec of higher levels c	ctive ga	s mask tha	at covers the	
8.2.2.2.	Skin pr	otection						



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	Hand protection:	Protective gloves must be according to the Directive 89/686/EEC and standard EN 374. Full contact: Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min Splash contact: Gloves material: polychloroprene Glove thickness: 0.65 mm Time until perforation: > 240 min
	Other skin protection:	Wear protective suit with long sleeves (EN 340) that protects from chemicals and shoes that cover the entire foot.
8.2.2.3.	Respiratory protection:	Full face mask (EN 136) or half mask (EN 140) equipped with a recommended "ABEK" (EN 14387) filter used when concentration levels exceed GVI.
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

SECTI	SECTION 9. Physical and chemical properties				
9.1.	Information on basic physical ar	nd chemical properties			
		Value	Method		
	Physical state:	liquid	No information available		
	Colour:	yellow	No information available		
	Odour/odour threshold:	pungent/no information available	No information available		
	Melting point / freezing point:	No information available	No information available		
	Boiling point or initial boiling point and boiling range:	No information available	No information available		
	Flammability:	No information available	No information available		
	Lover and upper explosion limit:	No information available	No information available		



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

SECTIO	ON 10.: Stability and reactivity	
10.1.	Reactivity:	See subsections 10.3 through 10.5.
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).
10.3.	Possibility of hazardous reactions:	Explosion hazard when in contact with: nitric acid, hydrogen peroxide, nitromethane, acids, phenol, nitrogen dioxide Exothermic reactions occur with the following substances: bases, nitrides, polymerization initiators, sodium hydroxide, potassium permanganate, furfuryl alcohol, highly oxidizing agents, perchloric acid with aniline, hydrochloric acid, magnesium carbonate.
10.4.	Conditions to avoid:	Sources of heat, sparks, ignition, and low temperature.
10.5.	Incompatible materials:	Highly oxidizing agents, acids, bases and different metals, steel manufactured by melting, copper.
10.6.	Hazardous decomposition products:	Carbon oxides.

SECTION 11. Toxicological information								
11.1. Information on toxicological effects								
Acute toxicity:								
Route of exposure:	Method	Species	Dose LD_{50}/LC_{50} or ATE_{mix}	Exposure time	Results			



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Oral exposure:	No information available	rat	LD ₅₀	No informati available	on		200 mg/kg maldehyde)	
Dermal:	No information available	rabbit	LD ₅₀	No informati available	on	>270 mg/kg (formaldehyde)		
Inhalation exposure:	No information available	rat	LC ₅₀	4 h	0.	.58 mg/	'l (formaldehyde)	
Specific ta	orget organ toxicity –	single exposui	re (STOT SE	·):				
	Sp	ecific effects		Target c	rgan		Note	
Oral exposure:	No information av	ailable		-		-		
Dermal exposure:	No information av	ailable		-		-		
Inhalation exposure:	No information available					-		
Aspiration	hazard:	poss	ible respira	tory system irritat	tion.			
Irritation a	and corrosion							
	Expos	ure time	S p e c i e s	Evaluation	Me	thod	Note	
Skin corrosion/irrita	ation No informa	ition available			-		Causes skin irritation.	
Serious irritation to	eyes: No informa	ition available			-		Causes serious eye irritation.	
Sensitizati	on							
Dermal exposure:	May cause allergic	skin reaction.						
Inhalation exposure:	Allergic persons m		ation.					
Symptom	s related to the physi	cal, chemical a	nd toxicolo	ogical characterist	ics			
Oral exposure:		an cause sever		mouth and throa		anger o	f esophagus and	
Dermal exposure:	Depending on c		•	re time, redness a	•	nied by	sensation of	



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Inhalation expos	ure: and	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and shortness of breath. Inhalation may cause formation of oedema in respiratory tract and may cause damage.							
Eye exposure:	Caus haza		eye damage	eye damage. Fumes may cause lacrimal irritation (tearing), blindness					
Repeate	ed dose toxi	city (subac	ute, subchro	onic, chronic)					
Dose Exposure time Species Method Evalua							Note		
Subacute oral	No information available		No informati on available	No information available	No information available	No information available	No information available		
Subacute dermal	No in available	formation	No informati on available	No information available	No information available	No information available	No information available		
Subacute inhalation	No in available	formation	No informati on available	No information available	No information available	No information available	No information available		
Subchronic oral	No in available	formation	No informati on available	No information available	No information available	No information available	No information available		
Subchronic dermal	No in	formation	No informati on available	No information available	No information available	No information available	No information available		
Subchronic inhalation	No in available	formation	No informati on available	No information available	No information available	No information available	No information available		
Chronic oral	No in available	formation	No informati on available	No information available	No information available	No information available	No information available		
Chronic dermal	No in	formation	No informati on available	No information available	No information available	No information available	No information available		



Trading name:

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Chronic inhalation	No information available	No informati on available	No information available	No information available	No information available	No information available		
Specific	c target organ toxicity -	- repeated e	exposure (STOT	RE)·				
	Specific effe		Aposare (STOT	Target organ		Note		
Subacute oral	No information availa		No informa	ation available		No information available		
Subacute dermal	No information availa	No information available No information available						
Subacute inhalation No information available No information available						No information available		
Subchronic oral	No information availa	ation available		No information available				
Subchronic dermal	No information availa	able	No informa	No information available				
Subchronic inhalation	No information availa	able	No informa	No information available				
Chronic oral	No information availa	able	No informa	ation available	No information available			
Chronic dermal	No information availa	able	No informa	ation available		No information available		
Chronic inhalation	No information availa	able	No informa	ation available		No information available		
CMR et	ffects (carcinogenicity; ı	mutagenicit	y; reproductive	toxicity)				
	ogenicity:			to have carcinog	enic potential	for humans.		
Mutage	enicity <i>in vitro</i> :		No inform	nation available.				
Genoto	oxicity:		No inform	No information available.				
Mutage	enicity <i>in vivo</i> :		No inform	nation available.				
Germ c	ell mutagenicity:		Suspected	l of causing gene	tic defects.			
Reprod	luctive toxicity:		No inform	No information available.				
Summa	•	of the CN	MR No inform	nation available.				
11.2. Informa	ation on other hazards:							
11.2.1. Endocr	ine disrupting properti	es:						



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	No known endocrine disrupting properties that affect human health.
11.2.2.	Other informations:
	-

12.1. Toxic	ity									
Acute (short-toxicity	erm)	Dose	Exposu time	re	Species	Method		Evaluation		Note
Fish		LC ₅₀	96 hour	S	Pimephales promelas	_		24.1 – 41 mg/l (formaldehyde)		
Crustacea:	water flea (Daphnia - 2 mg/l (formale magna)		2 mg/l (formaldehyde)	-						
Algae/aquatic	plants	IC ₅₀	72 hour	S	algae	-		2.5 mg/l (formaldehyde)	-	
Other organisi	ms	-	-		-	-		-	-	
Chronic (long- toxicity	term)	Dose	Exposu time	re	Species	Meth	od	Evaluation		Note
Fish		LC ₅₀	96 hour	S	-	-		No information available	-	
Crustacea:		EC ₅₀	48 hour	S	-	-		No information available		
Algae/aquatic	plants	IC ₅₀	72 hour	S	-	-		No information available	-	
Other organisi	ns	-	-		-	-		No information available	-	
		and degradal	oility							
	Deg	gradation ha	f-lives		Method	Evalua		Evaluation		Note
Marine water	No in	formation av	ailable	No	information a	vailable	١	lo information available		-
Fresh water	No in	formation av	ailable	No	information a	vailable	١	No information available		-
Air	No in	formation av	ailable	No	information a	vailable		No information available		-
Soil	No in	formation av	ailable	No	information a	vailable	١	No information available		-
Biode	gradati	ion								
% Degradatio		Time (da	ys)		Method		E	valuation	Note	<u> </u>
		information available			No information No		No information - available			



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	1										
12.3.			ative potenti								
	Partitic	n co	efficient: n-o	ctanol/w	ater (log	Kow):					
Valu	ue	Con	centration	рН	°C	Method		Eva	luation		Note
No No inform available available		nformation able	-	-	- No inforr available		n No informatio available		-		
	Biocon	centr	ation factor	(BCF)							
						Method		Evalua	ntion	0 0 0 0 0 0 0 0 0 0	Note
No information No info		No informati available		No in	formatio		No informa available		-		
	Chroni	c 000	toxicity								
	Value		Do	se E	xposure time	Spe	cies	Method	Evaluati	on	Note
Chronic	toxicity	on fi	sh LC ₅₀	n		No information available		No informati on available	No information available		-
Chronic toxicity on crustacea (Daphnia)		EC ₅₀	N in n		No information available		No informati on available	No information available		-	
12.4.	Mobilit	ty in s	soil								
	Known	or p	redicted dist	ribution	in environ	imental c	compart	ments:			
	Surface	n tone	·ion·								
	Val		°C		Concent	ration		Method			Note
	No inform availab	ation	No		No inform available		No info	ormation	-		Note



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	Adsorption / desorption		,		,
Transpo	rt A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-wat	er No information available	No information available	No information available	No information available	-
Water-a	ir No information available	No information available	No information available	No information available	-
Soil-air	No information available	No information available	No information available	No information available	-
12.5.	Results of PBT and vPvB asse	essment			
	No information available				
12.6.	Endocrine disrupting proper	ties			
	The substance/mixture does according to REACH Article Regulation (EU) 2018/605 at	57(f) or Commission	n Delegated regulat		
•					
12.7.	Other adverse effects				
	No information available				
SECTION	N 13. Disposal consideratio				
13.1.	Waste treatment methods	115			
13.1.	waste treatment methods				
13.1.1.	Product/Packaging dispos	al:			
	Submit for disposal to the Protection.	legal person autho	rized by the Ministr	y of Environmental a	and Nature
13.1.2.	Waste codes/waste design	nations according to	o Law:		
	15 01 10*: packaging that substances	contains residual h	azardous substance:	s or is contaminated	l with hazardous
13.1.3.	Waste treatment – relevan	t information:			
13.1.5.	No information available	t imormation.			
13.1.4.	Sewage disposal – relevan	t information:			



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13.1.5.	Other disposal recomme	ndations:
	authorized by the minist	oduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge.
13.1.6.	Relevant Community pro	ovisions:
	-	
SECTIO	N 14. Transport informati	on
	Transporting/shipment by	
UN num		Not subject to marking regulations.
	er shipping name:	-
	rt hazard class(es):	-
Packing	-	-
Environr	nentally hazardous:	-
	precautions for user:	-
-	Transporting/shipment by	rail (RID)
UN num	ber:	Not subject to marking regulations.
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	nentally hazardous:	-
Special p	precautions for user:	-
	Inland waterway transport	(ADN)
UN num	ber:	Not subject to marking regulations.
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	nentally hazardous:	-
Special p	precautions for user:	-
	Transporting/shipment by	sea (IMDG)
UN num	ber:	Not subject to marking regulations.
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environn	nentally hazardous:	-



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Special precautions for user:	-		
Transport in bulk according t of MARPOL 73/78 and the IBC	_		
Transporting/shipme	nt by air (ICAO-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:	-		
FILTINGE INTOLMATION.	Formaldehyde solutions, nonflammable, containing less than 25% of formaldehyde do not adhere to the ADR regulations.		

Safety, health and environmental regulations/legislation specific for the substance or mixture		
EU regulations		
Authorization and/or restr	ictions 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 product 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 10 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);	
	EU regulations Authorization and/or restr Authorizations: Restrictions:	



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	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessment	
	-	

SECTIO	ON 16	Other information			
16.1.	Indi	cation of changes:	-		
16.2.	Abbreviations and acronym		route (European Agreement Concerning the Internation Goods by Road) IMDG: International Maritime Code for Dangerous Good IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and EINECS: European Inventory of Existing Commercial Che CAS: Chemical Abstracts Service (division of the Amer DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic		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
16.3.		literature references and rce of data:	-		
16.4.		ssification and procedure 2/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classifi	icatior	according to CLP	Classification procedure		
_			-		
16.5.	Rele	evant H statements (num	per and full text)		
		226	Flammable liquid and vapor.		
		301+311+331	Toxic if swallowed, in contact with skin or if inhaled.		
		302+312+332	Harmful if swallowed, in contact with skin or if inhaled.		
		314	Causes severe skin burns and eye damage.		
	H:	315	Causes skin irritation.		
	п.	317	May cause allergic skin reaction.		
		319	Causes serious eye irritation.		
		335	May cause respiratory irritation.		
		341	Suspected of causing genetic defects.		
		350	May cause cancer.		
16.6.	Trai	ning advice:	-		



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		"X" in the product code marks different volumes (different packagings of the product)
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with
		instructions for use or improper use of the product described in this
		material safety data sheet.

ANNEX: Exposure scenario resulting to Chemical safety assessment



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Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

1.1.	Product identifier					
	Trading name:	FERRI REAG	ENT, WEIGI	ERT B		
	Chemical name:	-				
	Catalogue number:	FR-OT-X**	FR-OT-X**			
1.2.	Relevant identified us	es of the subst	s of the substance or mixture and uses advised against			
	Uses:		For use in	special staining kits.		
	Uses advised against:		Only the i	dentified uses are advised.		
	Reason why uses advi	sed against:	medical d	uct is intended for use only as an <i>in vitro</i> diagnostic evice, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier:	Bio	BioGnost Ltd.			
	Address:	М	Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039			
	Telephone number:	+3				
	Fax no.:	+3				
	e-mail of competent p	person: <u>m</u>	msds@biognost.hr			
	National contact:	-				
1.4.	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2 HAZARDS INFORMATION					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regula	tion (EC) No 12	72/2008 (CLP)			
	Hazard class and category	code:		Hazard statements*:		
	Not identified as hazardous subst	ance.	-			
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-sta	atements: see Se	ection 16			
2.2.	Classification according to EC Directive Nr. 1272/2008 CLP)					
	Product identification:	FERRI REAGEN	NT, WEIGERT B			
	Identification number:	-				
	Authorization no.:	-				
	Hazard pictograms:	-				



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	Signal word:	-	
	Hazard statements:	-	
	Precautionary statements:	-	
	Supplemetal hazard information (EU):	-	
2.3.	Other hazards		
	Endocrine Disrupting Properties:		
	No known endocrine disrupting properties Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not a		
	PBT or a vPvB.		

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS					
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
7782-61-8/ 616-509-1/ -	-	< 0.5%	ferric nitrate nonahydrate	Skin Irrit. 2; H315 Eye Irrit. 2; H319	
7647-01-0/ 231-595-7/ 017-002-00-2	01-2119484862- 27-xxxx	< 1%	hydrochloric acid, 37%	Skin Corr. 1B; H314 STOT SE 3; H335	

SECTI	SECTION 4 FIRST AID MEASURES				
4.1.	Description of first aid measures				
	General notes:	-			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.			
	Self-protection of the first aider:	Treat symptomatically.			
4.2.	Most important symptoms and effects, both acute and delayed				



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Trading name:	FERRI REAGENT, WEIGERT B				
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	Following inhalation:	Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea.	
	Following skin contact:	Slight irritation. After short exposure, resorption effects are not likely. Longterm exposure may cause drying, cracking and tingling sensation of skin.	
	Following eye contact:	Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation.	
	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.	
4.3.	Indication of any immediate medical attention and special treatment needed		
	-		

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

SECTION 6 ACCIDENTAL RELEASE MEASURES				
6.1.	Personal precautions, protective equipment and emergency procedures			
6.1.1.	For non-emergency personnel			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Wear protective equipment (see Section 8).			



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

SECTIO	ON 7 HANDLING AN 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	n: Secure proper ventilation.			
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.			
	Other measures:	-			
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	proughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incomp	patibilities			
	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.			



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	Further ir	information on storage conditions:			ns:	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 e	nd use(s)								
	Recomm	endations:				-				
	Industrial	sector spe	cific solutio	ns:		-				
	ON 8 EXPO		TROLS/PER	RSONAL	PROTI	ECTION				
8.1.	Control p	arameters			I			I		
	Culturation of	_	CAC	NI -			exposure limit term values	D:	. 1	Santa and bank
	Substance	е	CAS	NO		opm	mg/m ³	BIC	ologicai ii	imit values
Hvdro	gen chloride	<u> </u>	7647-0	01-0	1	5/10	8/15	-		
y	9			<u> </u>			-, -			
Substa	-									
EC No:	:		CAS No:	-						
DNEL										
					Ind	ustrial				
Route expos			Acute ect local	Acute effect systemic			Chronic effect local		eff	Chronic ect systemic
Oral		-		-			-		-	
Inhalat	tion	-		-			-		-	
Derma	al	-		-			-		-	
Critica	l physical pa	rameters: s	solubility, fla	mmabilit	ty, corr	osivity:	-			
					Cor	sumer			1	
Route expos			Acute ect local	effe	Acute		Chronic effect local		eff	Chronic ect systemic
Oral		-		-			-		-	
Inhalat	tion	-		-			-		-	
Derma	al	-		-			-		-	
PNEC										
Enviro	nmental pro	tection tar	get			PNEC				
Fresh v	water					No information available			_	
Freshw	vater sedime	ents				No infor	mation availabl	е		_
Marine water				No information available						



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Marine se	diments			No information available		
Food chai	n			No information available		
Microorga	anisms in sewage treatment			No information available		
Soil (agric	cultural)			No information available		
Air				No information available		
8.2.	Exposure controls					
8.2.1.	Engineering measures					
	Substance/mixture related measures to prevent expoduring identified uses:			product in well ventilated rooms. Use personal protective ent. Do not eat, drink or smoke in the workspace.		
	Structural measures to pre exposure:	event	No info	rmation available		
	Organisational measures to prevent exposure:		_	zation of work in order to reduce other worker's influence work process.		
	Technical measures to pre exposure:	event		proper workspace ventilation in order to keep tration levels in air below permitted levels.		
8.2.2.	Personal protection equip	protection equipment				
8.2.2.1.	Eye and face protection:		Safety o	glasses that stick to face (preventing splashing) (EN 166) or		
8.2.2.2.	Skin protection					
	Hand protection:	standard EN 374 Glove m Glove th		es must be according to the EU Directive 2016/425/EEC and 4. naterial: nitrile rubber hickness: ≥0.50 mm hrough time: >480 min		
	Other skin protection:			itic clothing made of natural fibers (such as cotton) with long 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	or organi	ace mask (EN 136) or half mask (EN 140) equipped with a c vapors, type "A" (boiling point >65°C) acording to EN nen concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation	available		
8.2.3.	Environmental exposure of	ontrols				
	Substance/mixture related measures to prevent expo		See Sec	rtion 6		
	Structural measures to pre exposure:	event	Use mo	dern equipment.		
	Organisational measures prevent exposure:	to	Adapt t workpla	the work process to the required working conditions of the lace.		



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Technical measures to prevent	See Section 6
exposure:	See Section 0

١.	Information on basic physical and che	mical properties		
		Value	Method	
	Physical state:	liquid	No information available	
	Colour:	pale yellow	No information available	
	Odour/odour threshold:	neutral/no information available	No information available	
	Melting point / freezing point:	No information available	No information available	
	Boiling point or initial boiling point and boiling range:	No information available	No information available	
	Flammability:	No information available	No information available	
	Lover and upper explosion limit:	No information available	No information available	
	Flash point:	No information available	No information available	
	Auto-ignition temperature:	No information available	No information available	
	Decomposition temperature:	No information available	No information available	
	pH:	No information available	No information available	
	Kinematic viscosity:	No information available	No information available	
	Solubility:	No information available	No information available	
	Partition coefficient n-octanol/water (log value):	No information available	No information available	
	Vapour pressure:	No information available	No information available	
	Density and/or relative density:	No information available	No information available	
	Relative vapour density:	No information available	No information available	
	Particle characteristics:	No information available	No information available	

SECTIO	SECTION 10 STABILITY AND REACTIVITY				
10.1.	Reactivity:	See subsections 10.3 through 10.5.			
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.			
10.3.	Possibility of hazardous reactions:	With strong oxidants, sodium-hydroxide, sulfuric acid, aluminum.			
10.4.	Conditions to avoid:	Sources of heat, sparks, and ignition.			
10.5.	Incompatible materials:	Aluminum.			



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Hazardous decomposition products: No information available. 10.6.

SECTION 11 TOXIC	COLOGICAL INFORMA	ATION				
11.1. Informatio	n on hazard classes as	defined in Regu	lation (EC) No 12	72/2008		
Acute toxic	city:					
Route of exposure:	Method	Species	Effective dose LD_{50}/LC_{50} or $ATE_{mixture}$	D ₅₀ /LC ₅₀ or Exposure time		
Oral exposure:	No information available	-	LD ₅₀	-	-	
Dermal exposure:	No information available	-	LD ₅₀	-	-	
Inhalation exposure:	No information available	-	LC ₅₀	-	-	
Specific ta	rget organ toxicity – si	ngle exposure (S	TOT SE):			
	Specifi	c effects	Targe	t organ	Note	
Oral exposure:	No information a	available	No informati	on available	-	
Dermal exposure:	No information a	available	No informati	No information available -		
Inhalation exposure	e: No information a	available	No informati	No information available -		
Respirator	y irritation:	No inform	nation available			
Irritation a	nd corrosion					
:	Exposure time	Species	Evaluation	Method	Note	
Skin irritation:	-	rabbit	-			
Eye irritation:	-	rabbit	-			
Sensitizatio	on					
Dermal exposure:	No information avail	able				
Inhalation exposure:	No information avail	able				
Cumanta	rolated to the shurt-	l chamical and t	ovicelegical share	actorictics		
Oral exposure:	Swallowing may constant sensation; higher land concentration may	ause irritation of evels of concent g, aspiration caus	mucosa, tingling ration may cause ses coughing, diff	sensation in th	ninal pain and vomiting	



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Dermal evnosure.				•	orption effects are ensation of skin.	e not likely. Long	-term exposu	
Inhalation expos	ure:		large amounts of vapors in inadequately ventilated perimeter may cause eezing, headache and nausea.					
Eye exposure:		Direct eye co sensation.	entact may cause slight to moderate irritation, lacrimation and burning					
Repeate	ed dos	se toxicity (sub	acute, subchro	onic, chronic)				
1	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		information ilable	No information available	No information available	No information available	No information available	-	
Chronic oral		information lable	No information available	No information available	No information available	No information available	-	
Chronic dermal		information lable	No information available	No information available	No information available	No information available	-	
Chronic inhalation	No information available		No information available	No information available	No information available	No information available	-	
Specific	targe	et organ tovicit	v – reneated e	xposure (STOT	RE)·			
Specific	tai ge		pecific effects		Target orga	an	Note	
Subacute oral			ation available	N1 -	information avai			



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Subacu	te dermal	No informatio	n available	No information available	_				
Subacu	te inhalation	No informatio	n available	No information available	-				
Subchro	onic oral	No informatio	n available	No information available	-				
Subchro	onic dermal	No informatio	n available	No information available	-				
Subchro	onic inhalation	No informatio	n available	No information available	-				
Chronic	oral	No informatio	n available	No information available	-				
Chronic	dermal	No informatio	n available	No information available	-				
Chronic inhalation No informatio			n available	No information available	-				
				roductive toxicity)	prein aganis offacts				
	Carcinogenicity			s on test animals did not indicate ca					
	Mutagenicity i	n-vitro:	Current <i>in vitro</i> tests did not indicate mutagenic effects. No information available						
	Genotoxicity:	n vivo:			c offocts				
	Mutagenicity i		No informatio	o tests did not indicate mutageni	c effects.				
	Reproductive t		No toxicity on reproductive organs was determined in reproductive organs.						
	Summary of ev	valuation of the	CMR properties:	-					
11.2	Information or	n other hazards:							
11.2.1.	Endocrine disr	upting propertie	s:						
	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.								
			<u> </u>						
11.2.2.	Other informat	tions:							

SECTION 12 ECOLOGICAL INFORMATION:								
12.1. Toxicity								
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		



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Fish	LC ₅₀	96 hours	-	No information available	-	-
Crustacea:	EC ₅₀	48 hours	No information available		-	-
Algae/aquatic plants	IC ₅₀	8 days	-	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	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12.2. Persistence and degradability

Abiotic degradation

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

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

12.3. Bioaccumulative potential



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Tradin	ig name:				F	ERRI F	REAGE	NT, W	/EIGERT	В		
Produ	ct code:	FR-OT	Γ-X**		Rev	ision d	ate:	21 De	ec 2022	Ve	ersion:	5
	i		nt: n-octar									
Valu		oncentrat		рН				Evaluation			Note	
-	No avai	inform lable	ation -		_	No info			No inform Ivailable	nation	-	
	Bioconce	ntration f	actor (BC	F)								
Value Species					Method	l		Evaluation	on		Note	
No information No informavailable available		mation	No infa	ormatic ole	on	No i avail	nformation	on	No info availabl	rmation le		
	Chronic 6	ecotoxicit	y									
	Value		Dose		Exposure Spe		ecies	Method E		Ev	aluation	Note
Chroni	c toxicity o	n fish	LC ₅₀		No information available		mation able	No infor avail	rmation lable	No in availa	formation ble	-
	c toxicity o		EC ₅₀		No information available		mation able	No infor avail	rmation lable	No in availa	formation ble	-
12.4.	Mobility	in soil										
	1		d distribu	ition in 4	nvironn	nental c	ompar	tmanta				
		nation av				incintal C	.ompai	ciits	·			
	Surface t		anabic									
	Value		°C	С	oncentra	ation		Met	thod			Note
	No informati available	No ion info	ormation ailable	No	No information No		No in	information		_		
	Adsorption	on / deso	rption									
Transp	ort	A/D coef	ficient	lo	og Kow	Εν	/aporati	ion rat	e	Method	ł	Note



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						<u> </u>					
Soil-wa	ter No available	information	No information available	No information available	No information available	-					
Water-a	air No available	information	No information available	No information available	No information available	-					
Soil-air	No available	information	No information available	No information available	No information available	-					
12.5.	Results of PBT	and vPvB asses	ssment								
	according to R	EACH Article 5	•	n Delegated regula	to have endocrine d tion (EU) 2017/2100	isrupting properties or Commission					
12.6.	Endocrine disrupting properties										
	according to R	EACH Article 5	•	n Delegated regula	to have endocrine d tion (EU) 2017/2100	isrupting properties or Commission					
12.7.	Other adverse	effects									
	No information	n available									
SECTIO	N 13 DISPOSAL	L CONSIDERA	ΓΙΟΝS								
13.1.	Waste treatm	nent methods									
	·										
13.1.1.	Product/Pack	kaging disposa	l:								
	Submit for di Protection.	isposal to the l	egal person autho	rized by the Minist	ry of Environmental	and Nature					
13.1.2.			tions according to	Law:							
	No informati	on available									
13.1.3.	Waste treatm	nent – relevant	information:								
	No informati	on available									
	:										
13.1.4.	Sewage dispo	osal – relevant	information:								
	Waste must r	not be dispose	d of into the sewa	ge system.							
	:										
13.1.5.		al recommend									



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Trading name:	FERRI REAGENT, WEIGERT B				
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	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.						
13.1.6.	Relevant Community provisions:						
	-						
SECTIO	N 14 TRANSPORT INFORI	MATION					
	Transporting/shipment by	road (ADR)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	_					
Transpo	rt hazard class(es):	_					
Packing	group:	_					
Environr	nentally hazardous:	_					
Special p	precautions for user:	-					
	Transporting/shipment by	rail (RID)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environr	nentally hazardous:	-					
Special p	precautions for user:	-					
	Inland waterway transport	(ADN)					
UN num	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpo	rt hazard class(es):	_					
Packing	group:	-					
Environr	nentally hazardous:	-					
Special p	precautions for user:	-					
	Transporting/shipment by	sea (IMDG)					
UN number:		Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transport hazard class(es): -		-					
Packing	group:	-					
Environr	mentally hazardous:	-					
Special precautions for user:		-					



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Trading name:	FERRI REAGENT, WEIGERT B				
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Transporting/shipment by	Transporting/shipment by air (ICAO-TI/IATA-DGR)					
UN number:	Not subject to transport regulations.					
UN proper shipping name:	-					
Transport hazard class(es):	-					
Packing group:	-					
Environmentally hazardous:	-					
Special precautions for user:	-					
Further information: The product is not subject to classification.						

5.1. 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:	-				
Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);				



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

SECTIO	ON 16 Other information				
16.1.	Indication of changes:	-			
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereus par route (European Agreement Concerning the International Carriage 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 Chemical EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:	-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classif	ication	Classification procedure			
_		-			
16.5.	Relevant H statements (numb	er and full text)			
	H: H314	Causes severe skin burns and eye damage.			
	H315	Causes skin irritation.			
	H319	Causes serious eye irritation.			
	H335	May cause respiratory irritation.			
16.6.	Training advice:	-			
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings the product) We are not responsible for consequences in case of failure to comply wi instructions for use or improper use of the product described in this material safety data sheet.			



SAFETY DATA SHEET

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

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Trading name:	FERRI REAGENT, WEIGERT B					
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ANNEX:
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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Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

SECTI	ON 1. Identification of the	e substance/mi	ixture and	of the company/undertaking		
1.1.	Product identifier					
	Trade name:	HEMATOXYLIN,	, WEIGERT A	A		
	Chemical name:	-				
	Catalogue number:	HEMA-OT-X**				
1.2.	Relevant identified uses of the substance or mixture and uses advised against					
	Uses:		For use ir	special staining kits.		
	Uses advised against:		Only the	identified uses are advised.		
	Reason why uses advise	d against:	medical c	uct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products ical Devices and there is no reason to use it for other.		
1.3.	Details of the supplier o	Details of the supplier of the safety data sheet				
	Supplier:	BioGn	ost Ltd.			
	Address:	Medju	ugorska 59, i	Zagreb		
	Telephone number:	Telephone number: +385		1 2409997		
	Telefax:	+385	1 2404039			
	e-mail of competent pe	rson: <u>msds(</u>	<u>@biognost.h</u>	n <u>r</u>		
	National contact:	-				
1.4.	Emergency telephone n	umber				
	National Protection and	Rescue Directo	rate:	112		
	Medical information:			+385 1 2348 342		
	Other information:	Other information:		-		

SECTIO	SECTION 2. Hazards identification			
2.1.	Classification of the substance or mixture			
2.1.1.	Classification according to Reg	ulation (EC) No 12	72/2008 (CLP)	
	Hazard class and category code: Hazard statements*:			Hazard statements*:
	Flam. Liq. 2		H225	
2.1.2.	Additional information			
	-			
*For ful	I text of Hazard- and EU Hazard-	statements: see Se	ction 16	
2.2.	Label elements			
	Product identification:	uct identification: HEMATOXYLIN, WEIGERT A		
	Identification number:	-		
	Authorisation number:	-		



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Trade name:		HEMATOXYLIN	HEMATOXYLIN, WEIGERT A		
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	Hazard pictograms: Signal word:	GHS02 Danger			
	Hazard statements:	H225 Highly flammable liquid and vapor.			
	Precautionary statement:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection.			
	Supplemetal hazard information (EU)	-			
2.3.	Other hazards				
	Endocrine Disrupting Propo	Endocrine Disrupting Properties:			
	No known endocrine disrupt	ing properties			
	Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not a PBT or a vPvB.				

SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
107-21-1/ 203-473-3/ 603-027-00-1	01-2119456816- 28-xxxx	1- 10 %	ethylene glycol	Acute Tox. 4, H302	
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610- 43-0147	60 – 80 %	ethanol	Flam. Liq. 2, H225	

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	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. Thoroughly wash with water for 15 minutes.			



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amended by Regulation (EU) No. 2020/878

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Trade name:		HEMATOXYLIN	HEMATOXYLIN, WEIGERT A		
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 15 minutes with the eyelids held wide open.
	Following ingestion:	Rinse the mouth thoroughly with water. If the afflicted person is conscious, provide them with large amounts of water. Consult a physician.
	Self-protection of the first aider	-
4.2.	Most important symptoms and eff	ects, both acute and delayed
	Following inhalation:	May cause eye irritation and upper respiratory system (stinging sensation, irritation). Bronchoconstriction is possible. Possible symptoms include CNS symptoms such as headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration.
	Following skin contact:	Defatting, dry skin.
	Following eye contact:	Splatter may cause discomfort, stinging sensation, conjunctival redness, corneal surface lesions.
	Following ingestion:	It may lead to occurrence of strong sensation of stinging, headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration. If denaturants are present, dyspepsia may occur (such as vomiting).
4.3.	Indication of any immediate medic	cal attention and special treatment needed
	No information available	

SECTIO	ECTION 5. Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO ₂ Large fire - water spray or alcohol-resistant foam		
	Unsuitable extinguishing media:	Water jet		
5.2.	Special hazards arising from the subst	tance or mixture		
	Hazardous combustion products:	Incomplete combustion of the product.		
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			
	-			

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



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Trade name:		HEMATOXYLIN	IEMATOXYLIN, WEIGERT A		
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

6.4.	Reference to other sections			
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112).		
6.3.2.	Cleaning up:	Sawdust, sand, mineral adsorbents		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials		
6.3.	Methods and material f	or containment and cleaning up		
	•	rier to prevent further spillage of chemicals. Prevent environmental pollution by als to enter the sewage system, surface water or groundwater.		
6.2.	Environmental precauti	utions:		
	Self-contained open-cir dissipation (fireproof cl	cuit compressed air breathing apparatus, a set for protecting the body from heat thing).		
6.1.2.	For emergency respond	rs:		
	Emergency procedures:	Remove or neutralize all factors that may exacerbate the condition, use all allowed means of containing the situation and use recommended means of personal protection.		
	Accident prevention me	Secure a safety zone, remove all ignition sources, and in case of an accident inform the Emergency service (112) and the manufacturer or sender. Position a prohibition sign with symbols of flame and devices that cause sparks.		
	Protective equipment:	When disposing of small quantities use protective clothing. Whe disposing of large quantities use self-contained open-circuit compressed air breathing apparatus or self-contained closed-circuit air breathing apparatus.		

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



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Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

7.2.	Conditions for safe storage, including any incomp	patibilities
	Technical measures and storage conditions:	Keep in a well-ventilated place. Keep away from heat and direct solar radiation.
	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:	-
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection							
8.1. Control para	meters						
Substance		CAS No		Occupational exposure limit values/short term values		Biological limit values	
				ppm	mg/m³		
Ethanol		64-17	'-5	1000/-	1900/-		-
Ethylene glycol		107-2	1-1	20/40	52/104		-
i i							
Substance: -							
EC No: -		CAS No:	-				
DNEL							
				Industrial			
Pouto of overaging	A	Acute		Acute	Chroni	С	Chronic
Route of exposure:	effe	ect local	ect local effect s		effect local		effect systemic
Oral	-		-		-		-
Inhalation	1900 r (ethan	mg/m³ iol)	-		35 mg/ kg (ethylene glyc	ol)	380 mg/m³ (ethanol)
Dermal -			-		-		343 mg/kg (ethanol) 106 mg/kg (ethylene glycol)
Critical physical parar	Critical physical parameters: solubility, flammability, corrosivity:						
	Consumer						



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Route of expo	sure:	Acute effect local	Acut		Chronic effect local	Chronic effect systemic	
Oral		-			-	-	
Inhalation		950 mg/m³ (ethanol)	-		7 mg/kg (ethylene glycol)	114 mg/m³ (ethanol)	
Dermal		-	-		-	206 mg/kg (ethanol) 53 mg/kg (ethylene glycol)	
PNEC							
Environmental protection target				PNEC			
Fresh water				_	l (ethanol) (ethylene glycol)		
Freshwater sed	liments			_	g (ethanol) g (ethylene glycol)		
Marine water				0.79 mg/l (ethanol) 1 mg/l (ethylene glycol)			
Marine sediments				2.9 mg/kg (ethanol) 3.7 mg/kg (ethylene glycol)			
Food chain				380-720 mg/kg (ethanol)			
Microorganism	ns in sev	wage treatment		580 mg/l (ethanol) 199.5 mg/l (ethylene glycol)			
Soil (agricultur	al)			_	kg (ethanol) kg (ethylene glycol)		
Air				no inforr	nation available		
8.2. Ex	cposure	controls					
8.2.1. Er	ngineer	ing measures					
		e/mixture related exposure during id		Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
	Structural measures to prevent exposure:			No information available			
	rganisa ‹posure	tional measures to ::	prevent	•	ion of work in order to during work process.	o reduce other worker's	
	echnica kposure	I measures to prev	ent	See Section 7.2			
8.2.2. Pe	ersonal	protection equipm	nent				



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Trade name:	HEMATOXYLIN, WEIGERT A				
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8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN166) 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				
		Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374.			
	Hand protection:	Glove material: nitrile rubber			
		Glove thickness: ≥0.50 mm			
		Break through time: >480 min			
	Other skin protection:	During everyday work use cotton clothing and suitable footwear, such as rubber boots or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.			
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No information available			
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Section 6			
	Structural measures to prevent exposure:	Use modern equipment.			
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to prevent exposure:	See Section 6			

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



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Trade name:					
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

	Lover and upper explosion limit:	No information available	No information available
	Flash point:	20°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		
	-		

SECTIO	SECTION 10.: Stability and reactivity				
10.1.	Reactivity:	The product is stable under normal working and storage conditions.			
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:	Risk of explosion after contact with strong acids, alkali metals, alkali metal oxides, nitric acid, oxidizing substances.			
10.4.	Conditions to avoid:	High temperatures, ignition sources, open flame.			
10.5.	Incompatible materials:	Oxidants, acids, alkali metals.			
10.6.	Hazardous decomposition products:	Non-degradable if used in the described manner.			

SECTION 11. Toxicological information							
11.1. Informat	11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008						
Acute to	xicity:						
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results		
Oral:	No information available	rat	LD ₅₀	-	7.060 mg/kg (ethanol) 7.712 mg/kg (ethylene glycol)		



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Dermal:	No information available	rabbit	LD ₅₀	-		>3.50	00 mg/kg (e 0mg/kg ene glycol)	thanol)
Inhalation:	No information available	rat	LC ₅₀	4 h (ethanol) >8.000		0 mg/l (ethanol)		
İ								
Specific	target organ toxicit		•					
	•	cific effects	5		get orga			Note
Oral:	No information			No informa			-	
Dermal:	No information			No informa			-	
Inhalation:	No information	available		No informa	tion ava	ilable	-	
Aspirati	on hazard:		No inform	nation availab	e			
Irritatio	n and corrosion							
	Exposure	time	Species	Evaluation	n M	ethod	١	Note
Skin corrosion/irritation	on:	-	-	-	-		No available	information
Serious eye damage/irritation	- 1	-	-	-	-		No available	information
:								
Sensitiz								
Skin sensitization	: No information	available						
Respiratory sensitization:	No information	available						
Sympto	ms related to the pl	nysical, che	emical and to	oxicological ch	naracteri	stics		
Oral exposure:	It may lead to do loss of conscious present, dysper	usness afte	r exposure t	o higher level			•	
Dermal exposure	: Defatting, dry s	kin.						
Inhalation exposure:	May cause eye Bronchoconstri headache, verti concentration.	ction is po	ssible. Possil	ble symptoms	include	CNS syn	nptoms such	as
Eye exposure:	Splatter may ca	use discor	nfort, stingir	ng sensation, o	conjunct	ival redn	ess, corneal	surface



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Trade name:	HEMATOXYLIN, WEIGERT A						
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6		

Repeate	To dose toxicity (su	Dacute, Subcrire	onic, chronic)	1	1	
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-
_ ,						
Specific	target organ toxic	<u> </u>	•	-		
		Specific effect mation availabl		Target org		Note

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



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Chronic	dermal No information available		No information available	-			
Chronic	inhalation	No information available	No information available	-			
	CMR effects (carcinogenicity; mutagenicity; re	eproductive toxicity)				
	Carcinogenici	ty:	No information available				
	Mutagenicity	in-vitro:	No information available				
	Genotoxicity:		No information available				
	Mutagenicity in-vivo:		No information available				
	Germ cell mu	tagenicity:	No information available				
	Reproductive	toxicity:	No information available				
	Summary of properties:	f evaluation of the CMR	-				
11.2.	Information o	n other hazards:					
11.2.1.	Endocrine dis	rupting properties:					
	No known e that affect hu	ndocrine disrupting propertie man health.	S				
11.2.2.	Other informa	ations:					
	_						

SECTION 12. Ecological information:									
12.1. Toxicity									
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC ₅₀	96 hours	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol)	-			
Crustacea:	EC ₅₀	48 hours	water flea	No information available	7.800 mg/l (ethanol) >100 mg/l (ethylene glycol)	-			
Algae/aquatic plants	IC ₅₀	72 hours	algae	No information available	5.000 mg/l (ethanol) 6.500-13.000 mg/l (ethylene glycol)	-			
Microorganisms	-	_	No information available	No information available	No information available	-			



Value

Species

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Product code:	HEMA-OT->	(** Dat	e of compilation	n: 19 Dec	2023 Version:	6
Chronic (long-ter toxicity	m) 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 pla	ants IC ₅₀	72 hours	No information available	No information available	No information available	-
Microorganisms	-	-	-	-	-	-
12.2. Persister	nce and degrada	hility				
	degradation	Sility				
			Evaluation	Note		
Marine water	No information available		No information available		No information availabl	e -
Fresh water	No information available		No information available		No information availabl	e -
Air	No information a	available	No information available		No information availabl	e -
Soil	No information a	available	No information available No information		No information availabl	e -
B: 1						
% Degradation			Mathad	Fyel	uation N	ot o
% Degradation	Time (day	5)	Method	Evalu	-	ote
-	-	-		-	-	
12.3. Bioaccur	mulative potentia	al				
	coefficient: n-oc		log Kow):			
	Concentration		C Metho	od Eva	aluation [Note
			-	-	-	
D:		DCT)				
Rioconce	entration factor (BCF)				

Method

Evaluation

Note



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Page 13 of 17 Trade name: **HEMATOXYLIN, WEIGERT A**

Produc								II, WEIG				
TTOGGC	ct code:	HEMA-OT-X**		D	Date of compilation:		19 De	c 2023	Version	•	6	
No information available No information available		No information available		No infor available		No info		ion				
	Chronic e	cotoxic	ity	***************************************								
	Value		Dose	Expo tin	sure ne	Sţ	oecies	Met	:hod	Evaluatio	on	Note
Chronic	toxicity on	fish	LC ₅₀	No inform availab		No infor availa	mation able	No inform availab		No informa available	tion	-
	nic toxicity on acea (Daphnia)		EC ₅₀	No No information available available			No inform availab	mation available		tion -		
	Known or No inform Surface te	nation a	ted distributi available	on in e	nvironm	ental	compart	ments:				
	.,,											
	Value		°C	Co	oncentra	tion		Method			Note	1
	No information available	on ir	°C lo nformation vailable	No	informa ^s		No info	ormation		-	Note	
	No information	on ir	lo nformation vailable	No	informa			ormation		-	Note	
Transpo	No information available Adsorption	on ir a on / des A/D coe	lo nformation vailable	No ava	informa	tion	availab	ormation		ethod	Note	Note
Transpo Soil-wa	No information available Adsorption ort H	on / des A/D coelenry's	nformation vailable sorption	No ava	informatilable og Kow	tion	availab	ormation ole tion rate	M	ethod	Note	
	Adsorption ort Honor avail	on / des A/D coe lenry's	nformation vailable sorption efficient constant	No ava	informations information informations informations information informatio	tion	availab Evapora No info available	ormation ole tion rate ormation e	Mo i availabl	ethod nformation e nformation	Note -	

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.



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Trade name:		HEMATOXYLIN, WEIGERT A						
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6			

12.6.	Endocrine disrupting properties					
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.					
12.7.	Other adverse effects					
	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:					
	-					
SECTIO	N 14. Transport information					
	Transporting/shipment by road (ADR)					
UN nun	nber: 1170					
UN pro	per shipping name: Ethanol solution					



Further information:

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Trade name:	e name: HEMATOXYLIN, WEIGERT A					
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6	
Transport hazard cl	acc(6c).	3				
Packing group:						
Environmental haza	ards:	No information available				
Special precautions		-				
•	ng/shipment by rail (R	ID)				
UN number:		1170				
UN proper shipping	g name:	Ethanol solution				
Transport hazard cl		3				
Packing group:		I				
Environmental haza	ards:	No information available				
Special precautions	s for user:	_				
	ng/shipment by inland	waterways (ADN)				
UN number:		1170				
UN proper shipping	g name:	Ethanol solution				
Transport hazard cl	lass(es):	3				
Packing group:		ll .				
Environmental haza	ards:	No information available				
Special precautions	for user:	-				
Transporti	ng/shipment by sea (IN	MDG)				
UN number:		1170				
UN proper shipping	g name:	Ethanol solution				
Transport hazard cl	ass(es):	3				
Packing group:		II				
Environmental haza	ards:	No information available				
Special precautions	s for user:	-				
Transport in bulk a of MARPOL 73/78 a	according to Annex II and the IBC code:	-				
Transporti	ng/shipment by air (IC.	AO-TI/IATA-DGR)				
UN number:		1170				

Transporting/shipment by air (ICAO-TI/IATA-DGR)					
UN number:	1170				
UN proper shipping name:	Ethanol solution				
Transport hazard class(es):	3				
Packing group:	II .				
Environmental hazards:	No information available				
Special precautions for user:	-				



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Trade name:		.			
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture							
	EU regulations							
	Authorization and/or rest	rictions of use						
	Authorizations:	-						
	Restrictions:	-						
		Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/9 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;						
	Other EU regulations:	Directive 2004/42/CE of the European Parliament and of the Council of 21 Apr 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 safet						
		of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 1 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;						
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);						
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-						
	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Transport of Hazardous Substances Act							
5.2.	Chemical safety assessme	ent						
	None							

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



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16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative				
16.3.	Key literature references and source of data:	-				
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)				
Classifi	cation	Classification procedure				
_		-				
16.5.	Relevant H statements (num	ber and full text)				
	H: 225 302	Highly flammable liquid and vapor. Harmful if swallowed.				
16.6.	Training advice:	-				
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.				

Δ	N	IN	П	Y	

EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT



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Trading name:	P.T.A. – P.M.A. REAGENT					
Product code:	PPR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4		

1.1.	Product identifier					
	Trading name:	P.T.A. – P.M.A. REAGENT				
	Chemical name:	-				
	Catalogue number:	PPR-OT-X*	ŧ			
1.2.	Relevant identified use	s of the subs	tance or mix	xture and uses advised against		
	Uses:		For use wi staining ki	th Masson Trichrome and Masson-Goldner Trichrome its.		
	Uses advised against:		Only the id	dentified uses are advised.		
	Reason why uses advis	ed against:	The product is intended for use only as an <i>in vitro</i> diagnos against: medical device, registered at the Agency for Medicinal Pro Medical Devices and there is no reason to use it for other			
1.3.	Details of the supplier	of the safety	data sheet			
	Supplier:	Ві	BioGnost Ltd.			
	Address:	М	Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Fax no.:	+3	+385 1 2404039			
	e-mail of competent pe	erson: <u>m</u>	sds@biogno	<u>ost.hr</u>		
	National contact:	-	-			
1.4.	Emergency telephone i	number				
	National Protection and	d Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2 HAZARDS INFORMATION						
2.1.	Classification of the substance or	mixture					
2.1.1.	Classification (REGULATION (EC) N	No. 1272/2008	(CLP)				
	Hazard class and category	code:		Hazard statements*:			
	Not identified as hazardous subst	ance.	-				
2.1.2.	Additional information						
	-						
*For ful	l text of Hazard- and EU Hazard-sta	tements: see S	ection 16				
2.2.	Classification according to EC Dire	ective Nr. 1272,	/2008 CLP)				
	Product identification: P.T.A. – P.M.A. REAGENT						
	Identification number:	-					
	Authorization no.:	-					



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Trading name:	P.T.A. – P.M.A. REAGENT				
Product code:	PPR-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Hazard pictograms:	-			
	Signal word:	-			
	Hazard statements:	-			
	Precautionary statements:	-			
	Further information:	-			
2.3.	Other hazards				
	Endocrine Disrupting Proper	ties:			
	No known endocrine disrupting properties				
	Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not a PBT or a vPvB.				

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS				
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
	-	-	Contains no hazardous substances	-

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



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

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

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



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

SECTIO	ON 7 HANDLING AN 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: Other measures:		Prevent spilling into the sewage system and waterways.	
7.1.2.	Advice on general occupational hygiene:			
1.1.6.	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:	Kee ven	ep in tightly closed and upright set containers in a well utilated storage rooms, and away from sources of heat, alight, and other incompatible substances.	
	Packaging materials:	Ma	nufacturer's original packaging.	
	Requirements for storage rooms and vessels:		ep away from food and drink. Keep the containers ntly closed.	
	Advices for storage equipment:	be dire	e storage must be made of hard material; floors must resistant to chemicals. There must be no drain that ectly leads into sewage system. Secure proper atilation.	
	Further information on storage conditions:	Do not place the unused material in the storage roo and do not use empty containers for storing other chemicals. Do not store with incompatible materials Section 9).		
7.3.	Specific end use(s)			
	Recommendations:	-		
	Industrial sector specific solutions:	-		



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8.1. Control para	meters				ECTION		
Substance CAS No			Occupational exposure limit values/short term values Riologics				
		CAS No			,		Biological limit value
				F	ppm -	mg/m³ -	No information available
							140 IIIIOIIIIatioii availabic
Substance							
name:							
EC No: -		CAS No:	-				
DNEL							
				Ind	ustrial		
Route of	А	cute		Acute	9	Chronic	Chronic
exposure:	effe	ct local	effe	ect syst	emic	effect loc	al effect systemi
Oral	-		-			-	-
Inhalation	-		-		-		-
Dermal	-		-			-	-
Critical physical parar	neters: s	olubility, flan	nmabili	ty, corr	osivity:	-	
	1			Con	sumer		
Route of		cute		Acute		Chronic	
exposure:	effe	ct local	effe	ect syst	emic	effect loc	al effect systemi
Oral	-		-			-	-
Inhalation	-		-			-	-
Dermal	-		-			-	-
PNEC							
Environmental protection	ction targ	get			PNEC		
Fresh water					No information available		
Freshwater sediments					No information available		
Marine water					No information available		
Marine sediments				No information available			
Food chain						mation availab	
Microorganisms in sewage treatment				No information available			
Soil (agricultural)				No information available			
Air					No information available		



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

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES			
9.1.	Information on basic physical and chemical properties		
		Value	Method



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

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

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



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Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral exposure:	No information available	-	LD ₅₀	-	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	-	-

Specific target organ toxicity – single exposure (STOT SE):				
	Specific effects	Target organ	Note	
Oral exposure:	No information available	No information available	-	
Dermal exposure:	No information available	No information available	-	
Inhalation exposure:	No information available	No information available	-	

Respiratory irritation:	No information available

Irritation and corrosion

	Exposure time	Species	Evaluation	Met hod	Note
Skin irritation:	-	-	-	-	-
Eye irritation:	-	-	-	-	-

Sensitization					
Dermal exposure:	No information available				
Inhalation exposure:	No information available				

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



Chronic oral

No information available

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

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Repeate	ed dose toxicity (sub		onic, chronic)		
	Dose	Exposure time	Species	Method	Evaluation	n Note
Subacute oral	No information available	No information available	No informatio available	No information available	No information available	on -
Subacute dermal	No information available	No information available	No informatio available	No n information available	No information available	on -
Subacute inhalation	No information available	No information available	No informatio available	No n information available	No informatio available	on -
Subchronic oral	No information available	No information available	No informatio available	No n information available	No informatio available	on -
Subchronic dermal	No information available	No information available	No informatio available	No n information available	No informatio available	on -
Subchronic inhalation	No information available	No information available	No informatio available	No n information available	No informatio available	on -
Chronic oral	No information available	No information available	No informatio available	No n information available	No information available	on -
Chronic dermal	No information available	No information available	No informatio available	No n information available	No informatio available	on -
Chronic inhalation	No information available	No information available	No informatio available	No n information available	No informatio available	on -
Specific	target organ toxici	· ·	xposure (ST			
		Specific effects		Target org	·	Note
Subacute oral		ation available		No information ava		-
Subacute dermal		ation available		No information ava		-
Subacute inhalat		ation available		No information ava		-
Subchronic oral		ation available		No information ava		-
Subchronic derm		ation available		No information ava		
Subchronic inhal	ation No informa	ation available		No information ava	illable	-

No information available



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Chronic	dermal	No informa	tion available	No information available	-
Chronic	inhalation	No informa	tion available	No information available	-
	CMD offects	(aarain a ganisitu	, mutaganisitu, ran	roductive tovicity	
			, mutagenicity, rep		
	Carcinogenic			able data, the classification criteria a	
	Mutagenicity			able data, the classification criteria a	
	Genotoxicity:		Based on avail	able data, the classification criteria a	are not met.
	Mutagenicity	in-vivo:	Based on avail	able data, the classification criteria a	are not met.
	Germ cell mu	ıtagenicity:	Based on avail	able data, the classification criteria a	are not met.
	Reproductive	toxicity:	Based on avail	able data, the classification criteria a	are not met.
11.2	Information of	on other hazard	ls:		
11.2	Information of	on other hazard	ls:		
11.2.1.	Endocrine dis	srupting proper	ties:		
	contain con have endocr according to	nponents con rine disrupting D REACH Artic Delegated reg	properties cle 57(f) or ulation (EU)		
	2017/2100 c	or Commission 05 at levels o	9		
11.2.2.	2017/2100 c (EU) 2018/6	05 at levels o	9		

12.1. Toxicity

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



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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	_	-	-	-	-	-

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	No information available	No information available	No information available	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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Produc	t code	e: PF	PR-OT-X**		Date	of co	mpilation	on:	21 Dec	202	22 \	/ersion:	4
	Bioco	ncentrat	ion factor (BCF)										
V	alue		Species		N	/lethoc		E	valuation			Note	
No info availabl				ation	No info		n		information ilable	on	No infor	mation av	ailable
	Chror	nic ecoto	xicity	1				1					
	Valu	ie	Dose		osure ime	Spe	ecies	V	1ethod		Evaluatio	on	Note
Chronic	toxicit	y on fish	LC ₅₀	No infor availa	mation able	No inforr availa	mation Ible		ormation ilable	1	o informat ailable	ion -	
Chronic crustace		-	EC ₅₀	No infor availa	mation able	No inforr availa	nation Ible		rmation ilable	1	o informat ailable	ion -	
12.4.	Know No in	······································	dicted distributi n available	on in e	environm	nental c	ompart	ment	·S:				
		alue	п. °С	C	oncentra	tion		Me	thod			Note	
	No	mation	No information available						-	Note			
	Adso	rption / c	desorption										
Transpo	ort		coefficient 's constant	lc	g Kow		Evap	oratio	on rate		Met	hod	Note
Soil-wat	tor :	No available	information	No ir availa	nformation able	on No	o inform	nation	n available	,	No infor		-
Water-a	air	No available	information	No ir availa	nformation able	on No	o inform	nation	n available		No infori available		-
Soil-air		No available	information	No ir availa	nformation able	on No	o inform	nation	n available)	No informavailable		-



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12.5.	Results o	f PBT and vPvB assessr	ment					
	according		t contain components considere o or Commission Delegated reguels of 0.1% or higher.			•		
12.6.	Endocrine	e disrupting properties	;					
	The substance/mixture does not contain components considered to have endocrine disrupting pro- according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commis Regulation (EU) 2018/605 at levels of 0.1% or higher.					•		
12.7	()+haradi	12.7. Other adverse effects No information available						

SECTION 13 DISPOSAL CONSIDERATIONS

Product/Packaging disposal:

1	3.	1	۱۸/	acta	troa	tmen [*]	t mat	had	c
- 1	. വ		V V	สรเษ	пеа	шеп	ıııı	110701	

13 1 1

3	Troducty rackaging disposal.
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature
	Protection.

13.1.2. Waste codes/waste designations according to Law:

No information available

13.1.3. Waste treatment – relevant information:

No information available

13.1.4. Sewage disposal – relevant information:

Waste must not be disposed of into the sewage system.

13.1.5. Other disposal recommendations:

Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.

13.1.6. Relevant Community provisions:



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SECTION 14 TRANSPORT INFORMATION	NC
Transporting/shipment by road	(ADR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (F	RID)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN	
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (I	MDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by air (IC	CAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-



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Special precautions for u	iser: -	
Further information:	-	

SECTI	ON 15 REGULATORY INFO	RMATION
15.1.	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or rest	rictions of use
	Authorizations:	-
	Restrictions:	-
		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;
	Other EU regulations:	Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;
		Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;
		Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessme	ent
	None	

SECTION 16 Other information		
16.1. Indication of changes:	-	



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

			_		
	ы	N	_	v	_
Δ	N	N	_	x	-

Exposure scenario resulting to Chemical safety assessment

-