

SAFRANIN O KIT

The kit contains:

Acetic acid, 1% solution
ErioGnost reagent
Fast Green F.C.F. contrast reagent
Safranin O 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	ON 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 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:	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		
	-		

SECTION	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			
	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	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.					
	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:	Manufacturer'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	ı		I						
					oational ex	-				
Substance		CA	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	-		-		-			-		
Dermal	Inhalation		-		-			-		
PNEC			-					-		
			ь	DAILE						
Environmental protection target Fresh water				PNEC no information available						
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 exposur		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	oment				
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 cover entire face in case of higher levels of concentration in air.				
8.2.2.2.	Skin 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:	Protective full face mask (EN 136) or half mask (EN 140) equi with a filter for organic vapors, type "A" (boiling point >65°C acording to EN 14387) used when concentration levels exceed				
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	classes as defined in	n Regulation	(EC) No 127	2/2008			
Acute toxi	city:							
Route of exposure:	Method Species			ose LD ₅₀ /LC ₅₀ or E		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	T T	xicity – single expo	sure (STOT	SE):				
		pecific 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.				
į -		i .						
Irritation a	and corrosion							
	Ехр	osure time	Species	Evaluatio	on 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.	swallowed.						
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	nic 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	nic inhalation No information available				No information available	-		
		arcinogenicity; mutagenicit		•				
	Carcinogenicity	iicity:		Based on available data, the classification criteria are not met.				
	Mutagenicity <i>ii</i>	n vitro:	Bas	sed on availa	ble data, the classification c	riteria 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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12.2	D:															
12.3			potential partition coeff	ficient (log Kow)										
Valu		ncentr		Н	°C		ethod		Evalu	ation		Note				
-	-	- Treerrei	-			-	ctilou		-	<u> </u>	_	11010				
	i .		i .	i_	i_											
	Bioconce	ntratio	n factor (BCF)												
\	/alue	Species			N	Methoc	l		Evaluati	on		Note				
	ormation	No	inform	nation	No info		n		informati	on	_					
availab	ole	avail	able		availab	le		ava	ilable							
	Chronic e	cotoxi	city													
	i			Exp	osure	C			1 - 4 1	F l	_4:	Niete				
	Value		Dose	t	ime	Spe	ecies	IV	1ethod	Evalu	ation	Note				
Chroni	c toxicity or	fich	LC ₅₀	No information		No information	No information	No informa	ation	_						
CIIIOIII	c toxicity of	1 11511	LC50	avail		availa		1	ilable	availab		_ 				
Chroni	c toxicity or			No		No		No		No						
	c toxicity of cea (<i>Daphni</i>		EC ₅₀		mation		mation		rmation	informa		_				
				avail	аріе	availa	ыые	ava	ilable	availab	ie					
12.4	Mobility i	n soil														
			ted distribut	ion in e	environm	nental c	ompart	ment	:S:							
	No inforn	····•														
	Surface to	ension:														
	Value		°C	С	oncentra	ition		Мє	thod			Note				
	No informati available	on i	No nformation available		informa ailable	tion	No inf availat		tion	-						



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Transpo	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 assessment Based on available data, the product does not contain any PBT or vPvB substances.						
	based off available data, the	product doc	3 not contain any 1 b1 of	VI VD Substances.			
12.0		:					
12.6.	Endocrine disrupting propert						
	Based on available data, doe	s not contair	i 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:	-					
Transport 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	ION 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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		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			



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16.3.	1	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)			
Classifi	catior	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 comply wit instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX: Exposure scenario	resulting to	chemical	safety as	sessment

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

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Trading name:	ERIOGNOST REAGENT				
Product code:	ERS-OT-X**	Date of compilation: 23 Dec 2022	Version:	3	

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name:	ERIOGNOS [*]	T REAGEN	Т		
	Chemical name:	-				
	Catalogue number:	ERS-OT-X**	T-X**			
1.2	Relevant identified use	es of the subs	tance or m	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 advis	sed against:	medical	duct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes.		
1.3	Details of the supplier	of the safety	data shee	t		
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb +385 1 2409997			
	Telephone number:					
	Telefax.:		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection an	d Rescue Dire	ectorate:	112		
	Medical information:			-		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to Regu	ulation (EC) No 12	.72/2008 (CLP)			
	Hazard class and catego	ory code:	Hazard statements*:			
	Not identified as hazardous sub	ostance.	-			
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-	statements: see S	ECTION 16			
2.2	Label elements					
	Product identification:	ERIOGNOST REA	AGENT			
	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 known specific hazards for human or environment.			
	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.			
	Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.			

SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
7647-01-0/ 231-595-7/ 017-002-01-X	-	<5%	hydrochloric acid, 37%	Skin corrosion 1B; H314 STOT SE 3; H335

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 ef	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		
	-		

SECTION	SECTION 5. Firefighting measures				
5.1	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	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.			
5.4	Additional information				
	Cool endangered receptacles with water spray. Collect contaminated firefighting water separately. Do not contaminate the environment with extinguishing media.				

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

SECTIO	ON 7. Handling and storage			
7.1	Precautions for safe handling			
7.1.1.	Protection measures			
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. 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:		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 from food and drink. Keep the con tightly closed.		
	Advices for storage equipment:		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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	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION	8. Exposu	ire contro	ols/perso	nal pr	otection					
	Control pai									
S	Substance		CA	S No		•		exposure limit term values	Biol	ogical limit values
					ppn	n	mg/m³		3	
Hydrogen chloride		764	7-01-0		5/10	0	8/15		-	
Substance	e name:	-								
		CAS No	:	-						
DNEL		<u> </u>								
					In	dust	trial			
Route of		Acı	ite	e Acute				Chronic		Chronic
exposure	:	effect	local	cal effect systemic		ic	c effect local			effect systemic
Oral		-		-		-		-		
Inhalation	1	-		-			-		-	
Dermal		-		-			-		-	
Critical ph	nysical para	ameters: s	olubility,	flamma	ability, co	rrosi	ivity:	-		
					Co	onsu	mer			
Route of		Acı	ute		Acute			Chronic		Chronic
exposure	:	effect	local	effe	ct system	ic	effect local			effect systemic
Oral		-		-			-		-	
Inhalation	1	-		-		-		-		
Dermal		-		-		-		-		
PNEC										
Environmental protection target			PNEC							
Fresh wate	er					no information available				
Freshwate	er sedimen	nts				no information available				
Marine wa	ater					no	inform	nation available		
Marine se	diments					no	inform	ation available		



Food chain

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no information available

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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.	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 prevent exposure:		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 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	levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.				
	Hand protection:		otective gloves have to satisfy the specification of tion (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 meable material suitable for protection from liquid chemicals 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 GV				
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

ETIO	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	blue purple	No information available
	Odour/odour threshold:	mild specific/no information available	smelling
	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:	0.85 – 0.9	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
		No information available	No information available

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,	/2008	
Acute tox	icity:					
Route of exposure:	Method	Species	Dose LD ₅₀		Exposure tim	ne Results
Oral:	-	No information available	-		lo information vailable	-
Dermal:	-	No information available	-		lo information vailable	-
Inhalation:	-	No information available	-		lo information vailable	-
Specific to	ergot organ to	xicity – single expos	curo (STOT SE	·)·		
Specific to		pecific effects	sure (3101 3E	Target org	an	Note
Oral:		tion available	No in		-	
Dermal: No information available		tion available	No information available			-
Inhalation:	No information available		No information available			_
Aspiration	n hazard:	No	information	available.		
ii.						
Irritation	and corrosion	osure time	Species	Evaluation	Method	Note
Skin	Ехро	osure time	Species	Evaluation	Metriou	Note
corrosion/irritation) :	_		-	-	–
Serious eye damage/irritation	-	-		-	-	-
Sensitizat	ion					
Skin sensitization:	-					
Respiratory sensiti	zation: -					



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Oral exposure:		Harmful if sw	allowed.						
Dermal exposure	:	Harmful if ab	osorbed through skin. May cause skin irritation.						
Inhalation expos	ure:	Harmful if inl	naled. May cau	ıse respiratory t	ract irritation.				
Eye exposure:		May cause ey	e irritation.						
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chronic)					
		Dose	Exposure time	Species	Method	Evaluation	Note		
Subacute oral		information lable	No information available	No information available	No information available	No information available	–		
Subacute dermal		information lable	No information available	No information available	No information available	No information available	-		
Subacute inhalation		information lable	No information available	No information available	No information available	No information available	-		
Subchronic oral		information lable	No information available	No information available	No information available	No information available	-		
Subchronic dermal	No avai	information lable	No information available	No information available	No information available	No information available	–		
Subchronic inhalation		information lable	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		information lable	No information available	No information available	No information available	No information available	_		



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Subacut		No information available			No information available	_
Subacut	te dermal	No information available			No information available	-
Subacut	te inhalation	No information available			No information available	-
Subchro	onic oral	No information available	ole		No information available	-
Subchro	onic dermal	No information available			No information available	-
Subchro	onic inhalation	No information available			No information available	_
Chronic	oral	No information available			No information available	-
Chronic	dermal	No information available		No information available	-	
Chronic	inhalation	No information available			No information available	-
	Carcinogenicity: Mutagenicity in vitro: Genotoxicity: Mutagenicity in vivo: Germ cell mutagenicity: Reproductive toxicity: Summary of evaluation of the Common control of		Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. CMR Based on available data, the classification criteria are not			
11.2.	properties: Information or	n other hazards:		met.		
11.2.1.	Endocrine disru	upting properties:				
	Based on avai	lable data, does not conta uptors.	ain	-		
11.2.2.	Other informat	tions:				
	-					

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



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Crustacea:		EC ₅₀	48 hours	No information available	No information available	No informat available		-
Algae/aquatic p	lants	IC ₅₀	4 days	No information available	No information available	No informat available		-
Other organism	S	-	-	-	-	-		_
Chronic (long-to	erm)	Dose	Exposur time	e Species	Method	Evaluat	ion	Note
Fish		LC ₅₀	96 hours	No information available	No information available	No informat available		-
Crustacea:		EC ₅₀	48 hours	No information available	No information available	No informat available		_
Algae/aquatic p	lants	IC ₅₀	72 hours	No information available	No information available	No informat available		_
Other organisms		-	-	-	-		-	
12.2 Persist	ence a	nd degradab	oility					
Abiotic	degra	adation				:		
	De	gradation ha	alf-lives	Method	Evaluatio	on		Note
Marine water	No ir	nformation a	vailable	No information available	No information	No information available		
Fresh water	No ir	nformation a	vailable	No information available	No information	on -		
Air	No ir	nformation a	vailable	No information available	No information	No information available		
Soil	No ir	nformation a	vailable	No information available	No information available	on -		
Biodeg	radatio	on						
% Degradation		Time (c	lays)	Method	Evaluatio	on		Note
No information			formation	No information available	No information	on N	No inf	ormation



Value

information

available

No

°C

information

available

No

Adsorption / desorption

Concentration

No information

available

Method

No information

available

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Note

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12.3	Bioaccum	ulative potent	ial						
	Octanol-w	vater partition	coefficier	nt (log Kow	/)				
Val	ue Co	ncentration	рН	°C	Method	Evalu	ation	Note	
-	-		-	-	-	-	-		
	Bioconcer	ntration factor	(BCF)						
	Value Species			Method		on	Note		
No information No available avail		No i available	nformatio	n No inf availat	ormation ole	No informati available	on -	-	
	Chronic e	cotoxicity							
	Value		ose	Exposure time	Species	Method	Evaluation	n Note	<u> </u>
Chron	ic toxicity on	fish LC ₅₀	1	o formation ailable	No information available	No information available	No information available	n -	
	Chronic toxicity on crustacea (<i>Daphnia</i>)			o formation ailable	No information available	No information available	No information available	ı -	
12.4	Mobility in	n soil							
			tribution i	n environn	nental compart	ments:			
		nation availabl							
	Surface te	nsion:							



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12.5 R B 12.6. E B 12.7. O	ort	efficient constant	log Kow	Evaporation rate	Method	Note
Soil-wa	ter No available	information	No information available	No information available	No information available	-
Water-	air No available	information	No information available	No information available	No information available	-
Soil-air	No available	information	No information available	No information available	No information available	-
12.5	Results of PBT ar	nd vPvB asses	ssment			
	Based on availab	le data, the p	product does not c	ontain any PBT or v	PvB substances.	
12.6	Endocrino dicrus	ting properti				
12.0.	Endocrine disrup		not contain endo	crine disruptors		
	based on availab	ne data, does	not contain chao	criric disruptors.		
12.7.	Other adverse ef	fects				
	No information a	available				
SECTIO	N 13. Disposal co	onsideration	s			
13.1	Waste treatme	nt methods				
13.1.1.	Product/Packa					
	Submit for disp Protection.	oosal to the l	egal person autho	rized by the Ministr	y of Environmental	and Nature
	. roccedion.					
13.1.2.	Waste codes/w	vaste designa	tions according to	Law:		
		kaging that c	ontains residual ha	azardous substance:	s or is contaminated	d with hazardous
	substances					
13 1 3	i	nt – relevant	information:			
13.1.3.	Waste treatme		information:			
13.1.3.	i		information:			
13.1.3.	Waste treatme	n available				
	Waste treatme No information Sewage dispos	n available sal – relevant		ge system.		
	Waste treatme No information Sewage dispos	n available sal – relevant	information:	ge system.		



UN proper shipping name: Transport hazard class(es):

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Trading	name:			ERIOGNOST RE	AGENT					
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	3									
	authoriz	zed by the ministry in	n charge		ackaging into the sewa					
13.1.6.	Relevan	t Community provisi	ons:							
	-									
SECTIO	N 14 TRAI	NSPORT INFORMAT	ΓΙΟΝ							
	Transport	ing/shipment by roa	d (ADR)	ļ						
UN num	UN number:		Not subject to transport regulations							
UN prop	er shippin	g name:	-							
Transpo	rt hazard c	lass(es):	-							
Packing	group:		-							
Environr	mentally ha	azardous:	-							
Special p	orecaution	s for user:	-							
	Transport	ing/shipment by rail	(RID)							
UN num	ber:		Not	t subject to transport regu	ılations					
UN prop	er shippin	g name:	-							
Transpo	rt hazard c	:lass(es):	-							
Packing	group:		-							
Environr	mentally ha	azardous:	-							
Special p	orecaution	s for user:	-							
	Inland wa	terway transport (AD	ON)							
UN num	ber:		Not	t subject to transport requ	ılations					

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:	-



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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: -	

5.1 Safet	Safety, health and environmental regulations/legislation specific for the substance or mixture		
EU re	egulations		
Auth	orization and/or rest	rictions of use	
Auth	norizations:	-	
Restr	rictions:	-	
Othe	er 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 793/9 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EE and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 200 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products an amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and 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; 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 XVIII);	



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Trading name:	ERIOGNOST REAGENT			
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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 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.	4. Classification and procedure used to derive the classification for mixture according to Regula 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.	
	H335	May cause respiratory irritation.	
16.6.	Training advice:	-	
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX: Exposure scenario resulting to chemical safety assessment



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

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

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



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Trading name:	FAST GREEN F.C.F. CONTRAST REAGENT			
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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. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
-	-	-	Contains no hazardous substances	-

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



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	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 r	medical attention and special treatment needed
	-	

SECTI	SECTION 5. Firefighting measures					
5.1	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 su	ubstance or mixture				
	Hazardous combustion products:	no information available				
5.3	Advice for firefighters	Advice for firefighters				
	Use a self-contained open-circuit	compressed air breathing apparatus and fireproof clothing.				
5.4	Additional information					
	-	Cool endangered receptacles with water spray. Collect contaminated firefighting water separately. 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.	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 a (see Section 8).	case of inadequate ventilation use adequate airways protective equipment				
6.2	Environmental precautions:					
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.					
6.3	Methods and material for containment and cleaning up					
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.				



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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 i	nformation.		

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 generation	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. Th	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	npatibilities			
	Technical measures and storage conditions:	well ventil	htly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.		
	Packaging materials:	Manufactu	lanufacturer's original packaging.		
	Requirements for storage rooms and vessels:	r from food and drink. Keep the containers sed.			
	Advices for storage equipment:	must be re	e must be made of hard material; floors esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper .		



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Prod	uct code:	FGRK-C	DT-X**	Date o	of compil	ation:	23 Dec	2022	Version:	4
	Further in	formation	on storag	ge conditions:	and chen	do not ι	use empty o not stor	container	al in the storage ross for storing othe ompatible materia	r
7.3	Specific e	nd use(s)								
		endations:			_					
	Industrial sector specific solutions:			tions:	-					
	•									
SECT	ION 8. Expos	sure contr	ols/perso	onal protection						
8.1	Control p	arameters								
	•		CAS No	Occupational exposure limit values/short term values		Biol	Biological limit values			
					ppm	mg	g/m³			
-				-	-		-		-	
Subst	ance name:	-								
EC No		_	CAS No)· -						
DNEL			C/15 140	· [
DIVE	_			In	dustrial					
Route		Act effect		Acute effect systemi		Chro			Chronic effect systemic	
Oral		-		-	-			-	•	
Inhala	ation	-		-	-			-		
Derm	al	-		-	-			-		
Critica	al physical pa	rameters:	solubility,	flammability, co	rrosivity:		_			
				Co	nsumer					
			Acute effect systemi	ic	Chro effect			Chronic effect systemic		
Oral		-		-	-			-		
Inhala	ation			-	-			-		
Derm	al	-		-	-			-		
PNEC										
Enviro	onmental pro	tection tar	get		PNEC					
Fresh	water				no infor	mation a	available			
Fresh	Freshwater sediments				no information available					



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



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

1	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	green	No information available
	Odour/odour threshold:	no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	potentiometric measurement
	Flammability:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient noctanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		

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



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

11.1 Information	n on hazard o	classes as defined in	n Regulation	(EC) No 1272	2/2008		
Acute toxi	city:						
Route of exposure:	Method	Species		0 ₅₀ /LC ₅₀ or 「E _{mix}	Exposure ti	me	Results
Oral:	-	No information available		_	No informatio available	n	-
Dermal:	-	No information available			No informatio available	n	-
Inhalation:	ation: - No information available				No informatio available	n	-
Ė							
Specific ta	1	xicity – single expo	sure (STOT	SE):			
		pecific 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.			
ş - -		i .					
Irritation a	nd corrosion						
	Ехро	osure time	Species	Evaluatio	n Method		Note
Skin corrosion/irritation:	-	-		-	-	-	
Serious eye damage/irritation	-	-		-	-	-	
Sensitizati	on						
Skin sensitization:	-						
Respiratory sensitiz	ation: -						



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



Subacute oral

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No information available

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No information available

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

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



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Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
		_	_	_	_	_

Abiotic degradation

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

			on

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



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



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

Ad	sorption / desorption				
Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-water	No information available	No information available	No information available	No information available	-
Water-air	No information available	No information available	No information available	No information available	-
Soil-air	No information available	No information available	No information available	No information available	-
	sults of PBT and vPvB asses sed on available data, the p		t contain any PRT or y	PvR substances	
Das	sea on available data, the p		- Contain any 1 bi or v	T VD Substances.	
12.6. End	docrine disrupting properti	ies			
	sed on available data, does		docrine disruptors.		
12.7. Otl	her adverse effects				
No	information available				
SECTION 1	3. Disposal consideration	s			
13.1 V	Vaste treatment methods				
	Product/Packaging disposa				
	Submit for disposal to the learning of the lea	egal person aut	horized by the Ministr	y of Environmental	and Nature
13.1.2. V	Vaste codes/waste designa	tions according	to Law:		
	5 01 10*: Packaging that c ubstances	ontains residual	hazardous substance	s or is contaminate	d with hazardous
	Vaste treatment – relevant	information:			
١	lo information available				
10.1					
13.1.4. S	iewage disposal – relevant	intormation:			



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	Waste must not be disposed of	of into the sewage system.		
13.1.5.	Other disposal recommendati	ons:		
	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 provision	ns:		
	-			
SECTION	I 14. Transport information			
	Transporting/shipment by road	(ADR)		
UN numl	per:	Not subject to transport regulations		
UN prop	er shipping name:	-		
Transpor	t hazard class(es):	-		
Packing o	group:	-		
Environm	nentally hazardous:	_		
Special p	recautions for user:	-		
	Transporting/shipment by rail (F	RID)		
UN number:		Not subject to transport regulations		
UN prop	er shipping name:	-		
Transpor	t hazard class(es):	-		
Packing (group:	-		
Environm	nentally hazardous:	-		
Special p	recautions for user:	-		
	Inland waterway transport (ADN			
UN numl	per:	Not subject to transport regulations		
UN prop	er shipping name:	-		
Transpor	t hazard class(es):	-		
Packing (group:	-		
Environm	nentally hazardous:	-		
Special p	recautions for user:	-		
,	Transporting/shipment by sea (I	MDG)		
UN numl	per:	Not subject to transport regulations		
UN prop	er shipping name:	-		
Transpor	t hazard class(es):	-		
Packing o	group:	_		



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Environmentally hazardous:	-			
Special precautions for user:	-			
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-			
Transporting/shipment by air (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: -				

15.1 S	afety, health and envir	onmental regulations/legislation specific for the substance or mixture
E	U regulations	
А	authorization and/or re	estrictions of use
А	uthorizations:	-
R	Restrictions:	-
0	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Counce Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2006 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).



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

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

ANNEX: Exposure scenario resulting to chemical safet	y assessment
-	



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Product code:	SAFO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

SECTI	ON 1. Identification of	the substanc	e/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	SAFRANINI	E O REAGEN	√ T	
	Chemical name:	-			
	Catalogue number:	SAFO-OT			
1.2.	Relevant identified us	es of the subs	tance or mi	xture and uses advised against	
	Uses:		Counterst	taining reagent for use in histology and cytology.	
	Uses advised against:		Only the	dentified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	Details of the supplier of the safety data sheet			
	Supplier:	Ві	BioGnost Ltd.		
	Address:	V	Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039 msds@biognost.hr		
	Telephone number:	+			
	Fax no.:	+			
	e-mail of competent p	person: <u>m</u>			
	National contact:	-			
1.4.	Emergency telephone	Emergency telephone number			
	National Protection and Rescue Direc		ectorate:	112	
	riational rotection a	na reseac bii			
	Medical information:	Ta Resear Dil		+385 1 2348 342	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regula	ation (EC) No 12	272/2008 (CLP)		
	Hazard class and category	y code:	Hazard statements*:		
	Not identified as hazardous subs	tance.	-		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-st	atements: see S	Section 16		
2.2.	Label elements				
	Product identification:	SAFRANINE (O REAGENT		
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	-			



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

SECTION 3. Co	SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
477-73-6/ 207-518-8/ -	-	0.1 %	3,7-diamino-2,8-dimethyl- 5-phenylphenazinium chloride	Eye Dam.1; H318	

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measure	s			
	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			
	FOIIOWING INNSISTION.	ccording to our findings, chemical, physical and toxicological properties of ne substance have not been entirely tested.			
	FOILOWING SKIN CONTACT:	ccording to our findings, chemical, physical and toxicological properties of ne substance have not been entirely tested.			



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Product code:	SAFO-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

	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 imme	Indication of any immediate medical attention and special treatment needed		
	-			

SECTIO	ON 5. Firefighting measures
5.1.	Extinguishing media
	Suitable extinguishing media: Small fire - water spray, dry powder, 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	ON 6. Accidental release meas	ures			
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personne	el			
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Wear protective equipment (s	see Section 8).			
6.2.	Environmental precautions:				
	Do not dispose of in sewage, Protection and Rescue Direct	drainage system and waterways. In case of large spillage contact National orate (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.			



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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	N 7. Handling and storage					
7.1.	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:		Keep away from sources of heat and ignition. Do not smoke.			
	Measures to prevent aerosol and dust generat	on:	Secure proper ventilation.			
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.			
712	Other measures: 7.1.2. Advice on general occupational hygiene: Do not eat, drink or smoke in the workspace. Thoroughly wash hands		-			
1.1.4.			ughly wash hands after work and before eating			
7.2.	Conditions for safe storage, including any incompatibilities					
	Technical measures and storage conditions:	Kee ven	p in tightly closed and upright set containers in a well tilated storage rooms, and away from sources of heat, light, and other incompatible substances.			
	Packaging materials:	Mar	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:	be r dire	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 tilation.			
	Further information on storage conditions:	and che	not place the unused material in the storage room do not use empty containers for storing other micals. Do not store with incompatible materials (see tion 9).			
7.3.	Specific end use(s)					
	Recommendations:	-				
	Industrial sector specific solutions:	-				



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SECTION 8. Ex			ols/persona	l protec	tion				
8.1. Contr	ol para	meters			ı				
Substance						cupational exposure limit ralues/short term values		Biolo	ogical limit values
						ppm	mg/m³		
-			-			-	-	No inform	ation available
					ı			ı	
Substance name:	-								
EC No:	-		CAS No:	-					
DNEL									
					Inc	dustrial			
Route of		A	Acute		Acut	е	Chronic		Chronic
exposure:		effe	ect local	effe	ct sys	temic	effect loca	ıl	effect systemic
Oral		-		-			-	-	
Inhalation -		-	-				-	-	
Dermal		-	-			-	-		
Critical physica	al parar	meters: s	olubility, fla	mmabili	ty, cor	rosivity:	-		
		1		1	Co	nsumer			
Route of			Acute		Acut		Chronic		Chronic
exposure:		effe	ect local	effect sy		temic	effect loca	ıl	effect systemic
Oral		-		-			-	-	
Inhalation		-		-			-	-	
Dermal		-		-			-	-	
PNEC						T			
Environmental	protec	tion tar	get			PNEC			
Fresh water						No information available			
Freshwater sediments			No information available						
Marine water			No information available						
Marine sediments				No information available					
Food chain			No information available						
Microorganisms in sewage treatment				No information available					
Soil (agricultur	ral)					No infor	mation availabl	е	
Air						No infor	mation availabl	е	



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

SECTI	ON 9. Physical and chemical properties		
9.1.	Information on basic physical and chen	nical properties	
		Value	Method



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

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

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		

lo information available
lo information available
lo information available
lo information available
10



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Repeate	ed dose t	oxicity (sub	acute, subchro	onic, chroni	c)				
		Oose	Exposure time	Species		Method	Evaluation	1	Note
Subacute oral	No in availab	formation le	No information available	No informati available	on	No information available	No information available	on	-
Subacute dermal	No in availab	formation le	No information available	No informati available	on	No information available	No information available	on	-
Subacute inhalation	No in availab	formation le	No information available	No informati available	on	No information available	No information available	on	-
Subchronic oral	hronic oral No information available		No information available	No informati available	on	No information available	No information available	on	-
Subchronic dermal	onic No information available		No information available	No informati available	on	No information available	No information available	on	-
Subchronic inhalation	No information available		No information available	No informati available	on	No information available	No information available	on	-
Chronic oral	No information available		No information available	No informati available	on	No information available	No information available	on	_
Chronic dermal	No in availab	formation le	No information available	No informati available	on	No information available	No information available	on	-
Chronic inhalation	No in availab	formation le	No information available	No informati available	on	No information available	No information available	on	-
· · · ·					TOT 5).E)			
Specific	target o		y – repeated e pecific effects	xposure (S	101 F		an	# # # # # # # # # # # # # # # # # # #	Note
Subacute oral			tion available		Target organ No information available			_	INULE
Subacute dermal			tion available		No information available			_	
Subacute inhalat			tion available		No information available			_	
Subchronic oral			tion available			nformation avai		_	
Subchronic derm			tion available		No information available		-		
Subchronic inhal			tion available			nformation avai		-	
Chronic oral			tion available			nformation avai		-	



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Trading name:	SAFRANINE O REAGENT									
Product code:	SAFO-OT-X**	Date of compilation:	21 Dec 2022	Version: 2						

Chronic	dermal	No informa	tion available	No information available	-
Chronic	inhalation	No informa	tion available	No information available	-
	1				
	CMR effects	(carcinogenicity	, mutagenicity, rep	roductive toxicity)	
	Carcinogenic	ity:	Based on avail	able data, the classification criteria a	are not met.
	Mutagenicity	ı in-vitro:	Based on avail	able data, the classification criteria a	are not met.
	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	e toxicity:	Based on avail	able data, the classification criteria a	are not met.
11.2	Information of	on other hazard	ds:		
11.2	Information of	on other hazard	ls:		
11.2.1.	Endocrine dis	srupting proper	rties:		
	contain cor have endocr according to Commission 2017/2100 c	ance/mixture mponents con rine disrupting o REACH Artic Delegated reg or Commission 05 at levels	properties cle 57(f) or ulation (EU) Regulation		
	-				
11.2.2.	Other inform	ations:			

SECTION	12. Ed	ological	l informatior	1
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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				

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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E	Bioconcent	ration factor (BCF)										
Val		Species		М	ethod		Evaluation		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Note		
No information No available			mation No inforn available				No information available		on r	No informati	on ava	ailable
	Chronic eco	ntovicity										
	Value	Dose	Expos		Spec	ies	М	lethod	E	Evaluation		Note
Chronic to	oxicity on f	ish LC ₅₀	No informa availab	ation	No inform availab			rmation lable		information lable	-	
Chronic to	oxicity on (<i>Daphnia</i>)	EC ₅₀	No informa availab	ation	No inform availab		1	rmation lable	_	information lable	-	
ŀ	-	soil predicted distributi ation available	on in en	vironme	ental co	mpart	ment	s:				
S	Surface ten	sion:										
	Value	°C	Con	centrati	ion		Me	thod		1	lote	
i	No nformation available	No information available	No in availa	iformati able		No infa		tion		-		
	Adsorption	/ desorption										
Transport	. A,	/D coefficient nry's constant	log	Kow		Evap	oratio	on rate		Method		Note
Soil-wate	r No availa	information ble	No info	ormation le	n No	inform	ation	available		No informati available	on	-
Water-air	No availa	information ble	No info	ormatior le	1 No	inform	ation	available		No informati available	on	-
Soil-air	No availa	information ble	No info	rmatior le	n No	inform	ation	available		No informati available	on	-



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12.5.	Results of PBT and vPvB assessment
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
	-g(-, -,
12.6.	Endocrine disrupting properties
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7.	Other adverse effects
12.7.	
	No information available
CECTIO	112 Disposal considerations
	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
13.1.1.	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature
	Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	_



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SECTION 14. Transport information	
Transporting/shipment by road	d (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	(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 (AD	N)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea	(IMDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by air (ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-



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Special precautions for user:	-	
Further information: -		

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture		
	EU regulations		
	Authorization and/or rest	rictions of use	
	Authorizations:	-	
	Restrictions:	-	
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);	
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-quideline)		
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act	
15.2.	Chemical safety 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 (numb	per and full text)		
	H: 318	Causes serious eye damage.		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

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Exposure scenario resulting to Chemical safety assessment