

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

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

Page 1 of 17

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

SECTI	ION 1: Identification of	the substance	e/mixture	e and of the company/undertaking		
1.1	Product identifier	Product identifier				
	Trading name:	ACETIC ACI	D, 1% SOI	LUTION		
	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	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	person:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	Emergency telephone number				
	National Protection ar	National Protection and Rescue Dire		112		
	Medical information:			-		
	Other information:			-		

SECTIO	CTION 2. Hazards identification					
2.1	Classification of the substanc	e or mixture				
2.1.1	Classification according to Re	egulation (EC) No 1	272/2008 (CLP)			
	Hazard class and cate	egory code:	Hazard statements*:			
	Not identified as hazardous s	substance.	-			
2.1.2.	Additional information	Additional information				
	-					
*For fu	Ill text of Hazard- and EU Hazar	d-statements: see S	ECTION 16			
2.2	Label elements					
	Product identification:	ACETIC ACID, 1	% SOLUTION			
	Identification number:	-				
	Authorization number:	-				
	Hazard pictograms:	-				



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

Page 2 of 17

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

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

SECTION 3. Con	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	TION 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			



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

Page	3 01	17	

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

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

SECTIO	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	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 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 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			



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

Page 4 of 17

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

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 generation	on:	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 incon	npatibilities			
	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:	Manufactı	urer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away	y 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.		



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

Page 5 of 17

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

	Further information on storage condition	and o	ot place the unused material in the storage room do not use empty containers for storing other sicals. Do not store with incompatible materials Section 10).
7.3	Specific end use(s)		
	Recommendations:	-	
	Industrial sector specific solutions:	_	

SECTION 8. Expos	ure contr	ols/perso	nal protec	tion			
8.1 Control p	arameters						
Substance	e	CA	S No		•	exposure limit term values	Biological limit values
				р	pm	mg/m³	, and the second
Acetic acid		64	-19-7	1(0/20	25/50	-
Substance name:	-	T				I	
EC No:	-	CAS No	: -				
DNEL							
	1		I	Ind	ustrial		
Route of	Acı		Acut			Chronic	Chronic
exposure:	effect	local	effect sys	stemic		effect local	effect systemic
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
Critical physical pa	rameters: s	solubility,	flammabilit	ty, corr	osivity:	-	
				Con	sumer		
Route of	Acı	ute	Acu	te		Chronic	Chronic
exposure:	effect	local	effect sys	stemic		effect local	effect systemic
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
PNEC							
Environmental protection target				PNEC			
Fresh water			1	no information available			
Freshwater sediments				1	no information available		
Marine water				ı	no information available		
Marine sediments				1	no information available		



Food chain

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

no information available

Page 6 of 17

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

roou chai	11		no information available		
Microorga	anisms in sewage treatment		no information available		
Soil (agric	ultural)		no information available		
Air			no information available		
8.2	Exposure controls				
8.2.1.	Appropriate engineering conti	rols			
	Substance/mixture related me prevent exposure during ident		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to preven exposure:	t	In accordance with Section 7.		
	Organisational measures to prexposure:	revent	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent exposure:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.		
8.2.2.	Personal protection equipmen	nent			
8.2.2.1.	Eye and face protection:	levels o	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				
	Hand protection:		otective gloves have to satisfy the specification of action (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min		
	Other skin protection:	footwe entire 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 chemical 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 GN		
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.3.	Environmental exposure contr	ols			
	Substance/mixture related measures to prevent exposure	See Se	ction 6		



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

Page 7 of 17

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

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

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



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

Page 8 of 17

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

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

11.1 Informati	on on hazard o	classes as defined in	n Regulation	(EC) No 1272	2/2008	
Acute tox	icity:					
Route of exposure:	Method	Species		₅₀ /LC ₅₀ or E _{mix}	Exposure tin	ne Result
Oral:	-	No information available		_	No informatior available	1 -
Dermal:	-	No information available			No informatior available	า -
Inhalation:	- No information - No information available available					1 -
C:fit-		vicito di colo como	(STOT 6	۲۲۱،		
Specific to		xicity – single expo pecific effects	sure (STOTS	Target or	rgan	Note
Oral:		tion available	No i	nformation a		-
Dermal:		tion available		vailable		
Inhalation:	No informa	tion available	No information available			-
Aspiration	n hazard:	No	o informatio	n available.		
Irritation	and corrosion					
	Expo	osure time	Species	Evaluatio	n Method	Note
Skin corrosion/irritation	n: -	-		-	-	-
Serious eye damage/irritation	-	-		-	-	-
Sensitizat	ion					
Skin sensitization:	-					
JKIII JCIIJIUZAUOII.						



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

Page 9 of 17

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

Oral exposure:		Harmful if sw	allowed.							
Dermal exposure	:	Harmful if ab	f absorbed through skin. May cause skin irritation.							
Inhalation expos	ure:	Harmful if inl	haled. May cau	ıse respiratory t	ract irritation.					
Eye exposure:		May cause ey	ye irritation.							
Repeate	ed dos	se toxicity (sub	acute, subchro	onic, chronic)						
		Dose	Exposure time	Species	Method	Evaluation	Note			
Subacute oral	Harmful if all ure: Harmful if in May cause extended dose toxicity (substitute of the property	No information available	No information available	No information available	No information available	-				
Subacute dermal			No information available	No information available	No information available	No information available	-			
Subacute inhalation	-		No information available	No information available	No information available	No information available	-			
Subchronic oral			No information available	No information available	No information available	No information available	-			
Subchronic dermal	available No information		No information available	No information available	No information available	No information available	-			
Subchronic inhalation			No information available	No information available	No information available	No information available	-			
Chronic oral	No information		No information available	No information available	No information available	No information available	-			
Chronic dermal	Chronic dermal No information available		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	-			



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

Page 10 of 17

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

Subacut	te oral	No information available		No information available				
	te dermal	No information available		No information available	_			
	te inhalation	No information available		No information available	_			
	onic oral	No information available		No information available	_			
	onic dermal	No information available		No information available				
	onic inhalation	No information available		No information available				
Chronic		No information available		No information available				
Chronic		No information available		No information available	-			
	inhalation	No information available		No information available	-			
Chronic	innaiation	No information available		NO Information available	-			
	CMD offocts (s	arcinogenicity; mutagenicity	" roproductivo	toxicity				
		<u> </u>	Based on available data, the classification criteria are not met.					
	Carcinogenicity							
	Mutagenicity i	1 VIIIO:		lable data, the classification of				
	Genotoxicity:			lable data, the classification of				
	Mutagenicity ii		Based on available data, the classification criteria are not met.					
	Germ cell muta		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 CM	CMR 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 conta uptors.	ain -					
11.2.2.	Other informat	ion:						
	-							

SECTION 12. Ecologi	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	-				



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

Page 11 of 17

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

Crustacea:		EC ₅₀	48 hours	No information available	No information available	No inform availal		-
Algae/aquatic μ	olants	IC ₅₀	4 days	No information available	No information available	information inform		-
Other organism	าร			-	-	-		-
Chronic (long-t toxicity	erm)	Dose Exposure time		e Species	Method	Evalu	ation	Note
Fish		LC ₅₀ 96 hours		No information available	No information available	No inform availal		-
Crustacea:		EC ₅₀ 48 hours		No information available	No information available	No inform availal		-
Algae/aquatic p	ae/aquatic plants IC ₅₀ 72 hours		No information available	No information available	No information available		-	
Other organisms		_	-	-	-		-	
12.2 Persist	ence a	nd degradab	ility					
Abioti	c degra	dation						
	De	gradation ha	alf-lives	Method	Evaluatio	on		Note
Marine water	No ir	nformation a	vailable	No information available	No information available	on	-	
Fresh water	No ir	nformation a	vailable	No information available	No information	on	_	
Air	No ir	nformation a	vailable	No information available	No information	on	-	
All		No information available		No information	No information available		-	
Soil	No ir	iformation a	valiable	available	avanabic			
Soil			valiable	available	avanasie	!		
Soil	gradatio			available Method	Evaluatio	an		Note



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

Page 12 of 17

Tradin	g name:				А	CETIC	ACID,	1%	SOLUTIO	N		_	
Produc	ct code:	OK1-OT	-X**		Date	of co	mpilatio	on:	23 Dec	2022		Version:	4
12.3	Bioaccumu			•	1 17	<u> </u>							
Valu	Octanol-w				°C		- 4 l al		Fuelu	-4:		Nata	
Valu		ncentratio	•				ethod		Evalu	ation		Note	
_	-		-		-	-			-		-		
				9 9 9									
	Bioconcen	tration fac	tor (BCF)										
٧	/alue	S	pecies		Method			Evaluation	on		Note		
	rmation	No	informa	ition	No info		n		information	on	_		
availab	le	available			availab	le		ava	ailable				
	Chronic ec	otoxicity											
	i			Ехр	osure								
	Value		Dose	time		Spe	ecies	Method		Evalu	ıation	Note	<u> </u>
Chronic	tovicity on	fich I		No	mation	No	mation	No	ormation	No inform	ation		
Chronic	toxicity on	IISII L		availa		availa			ailable	availak		-	
Chronic	toxicity on		1	No		No		No		No			
	ea (<i>Daphnia</i>) E		informavaila	mation	infori availa	mation		ormation ailable	inform availab		-	
				avaiid	able	avaiic	ible	avo	allable	availat	ЛЕ		
12.4	Mobility in	soil											
	Known or	predicted	distributio	n in e	environm	nental d	compart	men	its:				
	No inform	ation avail	able										
	Surface te	nsion:											
	Value		°C	C	oncentra	ition	1	М	ethod			Note	
	No informatio available	No n informavaila	mation ible		informa ailable	tion	No infavailat		ation	-			
				<u> </u>									
	Adsorption	n / desorp	tion										



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

Page 13 of 17

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

Transpo	t A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note	
Soil-wat	No informatior er available	No informati on available	No information available	No information available	-	
Water-a	r No informatior r 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 ass	essment				
	Based on available data, the	product doe	s not contain any PBT or	vPvB substances.		
12.6.	Endocrine disrupting properties					
	Based on available data, does not contain endocrine disruptors.					
			•			
12.7.	Other adverse effects					
	No information available					
SECTION	N 13. Disposal consideration	ns				
13.1	Waste treatment methods					
13.1.1.	Product/Packaging dispos	al:				
	Submit for disposal to the Protection.		authorized by the Minist	try of Environmental	and Nature	
13.1.2.	Waste codes/waste designations according to Law:					
	15 01 10*: Packaging that substances	contains resid	dual hazardous substanc	es or is contaminated	d with hazardous	
13.1.3.	Waste treatment – relevar	nt information	ı:			
	No information available					



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

Page 14 of 17

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

13.1.4.	Sewage disposal – relevant information:			
	Waste must not be dispo	osed of into the sewage system.		
13.1.5.	Other disposal recommendations:			
	authorized by the ministr	oduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge.		
13.1.6.	Relevant Community pro	visions:		
	-			
SECTIO	N 14 TRANSPORT INFORM	MATION		
	Transporting/shipment by	road (ADR)		
UN num	nber:	Not subject to transport regulations		
UN prop	per shipping name:	-		
Transpo	rt hazard class(es):	-		
Packing	group:	-		
Environi	mentally hazardous:	-		
Special	precautions for user:	-		
	Transporting/shipment by	rail (RID)		
UN number:		Not subject to transport regulations		
UN prop	per shipping name:	-		
Transpo	rt hazard class(es):	-		
Packing	group:	-		
Environi	mentally hazardous:	-		
Special	precautions for user:	-		
	Inland waterway transport	(ADN)		
UN num	nber:	Not subject to transport regulations		
UN prop	per shipping name:	-		
Transpo	rt hazard class(es):	-		
Packing	group:	-		
Environi	mentally hazardous:	-		
Special	precautions for user:	-		
	Transporting/shipment by	sea (IMDG)		
UN num	nber:	Not subject to transport regulations		
UN prop	per shipping name:	-		
Transpo	rt hazard class(es):	-		



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

Page 15 of 17

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

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: -	

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



SAFETY DATA SHEET ng to Regulation (EC) No. 1907/20

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

Page 16 of 17

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

		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;
	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	nent
	None	

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



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

Page 17 of 17

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

16.3.	•	literature references and rce of data:	-
16.4.		ssification and procedure 2/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)
Classific	catior	1	Classification procedure
-			-
16.5.	5.5. Relevant H statements (number and full text)		per 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 with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to chemical safety assessment



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

Page 1 of 16

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

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

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Regu	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:	-			



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

Page 2 of 16

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

	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)	
7647-01-0/ 231-595-7/ 017-002-01-X	-	<5%	hydrochloric acid, 37%	Skin corrosion 1B; H314 STOT SE 3; H335	

SECTI	ION 4. First aid measures			
4.1	Description of first aid measures	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		



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

Page 3 of 16

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

	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	ECTION 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 sub	ostance or mixture			
	Hazardous combustion products:	no information available			
5.3	Advice for firefighters				
	Use a self-contained open-circuit co	empressed 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 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			



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

Page 4 of 16

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

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	Reference to other sections		
•	See Section 7 for information	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	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. Thoroughly wash hands after work and before eating.			
7.2	Conditions for safe storage, including any incompatibilities			
	· ·		phtly 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 containe tightly closed.		•	
	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.	



Trading name:

exposure:

Inhalation Dermal

Oral

effect local

SAFETY DATA SHEET

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

ERIOGNOST REAGENT

Page 5 of 16

effect systemic

Produ	uct code:	ERS-OT	-X**		ate of c	ompilat	ion:	23 Dec	2022	Version:	3
	Further in	formation	on storag	ge conditior	ns:	and do	not u	ise empty o not stoi	containers	al in the storage ro s for storing other ompatible material	
7.3	Specific e	nd use(s)									
	Recomme	endations:				-					
	Industrial sector specific solutions: -										
	3										
SECTI	ON 8. Expos	ure contr	ols/perso	nal protec	tion						
8.1	Control pa	arameters									
Substance						al exposure limit ort term values Biologica		ogical limit values	al limit values		
					рр	m	mg	J∕m³		_	
Hydro	ogen chloride	,	764	7647-01-0		10 8/15			-		
Subst	ance name:	-		8		ı					
EC No) :	-	CAS No	·: -							
DNEL											
					Indus	strial					
Route of exposure:		Acı effect		Acut						Chronic effect systemic	
Oral	Oral -			-		-		-			
Inhala	nhalation			-			-				
Derma	al	-		-		-			-		
Critica	al physical pa	rameters: s	solubility,	flammabili	ty, corros	sivity:	-				
					Const	umer					
Route	e of	Acı	ute	Acu	te		Chro	nic		Chronic	

PNEC				
Environmental prote	ection target	P	NEC	
Fresh water		ne	o information available	
Freshwater sediments		ne	o information available	
Marine water		ne	no information available	
Marine sediments		ne	o information available	

effect local

effect systemic



Food chain

SAFETY DATA SHEET

no information available

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

Page 6 of 16

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

Microorga	Microorganisms in sewage treatment		no information available
Soil (agric	: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 preven exposure:	nt	Organization of work in order to reduce other worker's influence during work process.
	Technical measures to prevent exp	osure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.
8.2.2.	Personal protection equipment		
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.	
8.2.2.2.	Skin protection		
	Hand protection:		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:	During every day work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.	
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.	
8.2.2.4.	Thermal hazards:	No info	ormation available
8.2.3.	Environmental exposure controls		
	Substance/mixture related measures to prevent exposure:	See Se	ction 6



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

Page 7 of 16

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

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

O M Bo po FI	nysical state: blour: dour/odour threshold: lelting point / freezing point: billing point or initial boiling bint and boiling range: ammability: bwer and upper explosion limit:	Value liquid blue purple mild specific/no information available No information available No information available	Method No information available No information available smelling No information available potentiometric measurement No information available
O M Bo po Fl	dour/odour threshold: lelting point / freezing point: piling point or initial boiling point and boiling range: ammability:	blue purple mild specific/no information available No information available No information available No information available	No information available smelling No information available potentiometric measurement
O M Bo po Fl.	dour/odour threshold: lelting point / freezing point: biling point or initial boiling bint and boiling range: ammability:	mild specific/no information available No information available No information available No information available	smelling No information available potentiometric measurement
M Bo po Fl	lelting point / freezing point: biling point or initial boiling bint and boiling range: ammability:	information available No information available No information available No information available	No information available potentiometric measurement
Bo po Fl	oiling point or initial boiling oint and boiling range: ammability:	No information available No information available	potentiometric measurement
po Fl. Lo	oint and boiling range: ammability:	No information available	•
Lo			No information available
	ower and upper explosion limit:	NI = : f = = - : : : ! - ! - !	NO IIIIOIIIIatioii available
Fl		No information available	No information available
	ash point:	No information available	No information available
Αι	uto-ignition temperature:	No information available	No information available
D	ecomposition temperature:	No information available	No information available
рŀ	- 1:	0.85 – 0.9	No information available
Ki	nematic viscosity:	No information available	No information available
Sc	olubility:	No information available	No information available
	artition coefficient n- ctanol/water (log value):	No information available	No information available
Vä	apour pressure:	No information available	No information available
D	ensity and/or relative density:	No information available	No information available
Re	elative vapour density:	No information available	No information available
Pa	article characteristics:	No information available	No information available

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



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

Page 8 of 16

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

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	lasses as defined ir	n Regulation	(EC) No 1272	/2008		
Acute tox				. ,			
Route of exposure:	Method	Species		ose LD ₅₀ /LC ₅₀ or Expos		ne Results	
Oral:	-	No information available		_	lo information vailable	1 -	
Dermal:	-	No information available			lo information vailable	ı -	
nhalation: - No informat					lo information vailable	ı -	
Specific to		xicity – single expo	sure (STOT S			A.	
		pecific effects	Target organ			Note	
Oral:		tion available		nformation av			
Dermal:		tion available	No information available -				
Inhalation:	No informa	tion available	No i	nformation av	ailable	-	
Aspiration	n hazard:	No	information	n available.			
		·					
Irritation	and corrosion				-		
	Ехро	osure time	Species	Evaluation	n Method	Note	
Skin corrosion/irritation	- 1:	-		-	-	-	
Serious eye damage/irritation	_	-		-	-	-	
Sensitizat	ion						
Skin sensitization:							
Respiratory sensiti							



amended by Regulation (EU) No. 2020/878

Page 9 of 16

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

Oral exposure: Harmful if sw			allowed.				
Dermal exposure):	Harmful if ab	sorbed throug	h skin. May cau	ıse skin irritation	•	
Inhalation expos	ure:	Harmful if inl	haled. May cau	ise respiratory t	ract irritation.		
Eye exposure:		May cause ey	ye irritation.				
Repeate	ed dos	se toxicity (sub	acute, subchro	onic, chronic)			
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No avai	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	-



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

Page 10 of 16

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

Subacut	te oral	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			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	-	
	CMD effects (- u - al t i			
		arcinogenicity; mutagenicity					
	Carcinogenicity				ble data, the classification c		
	Mutagenicity <i>ii</i>	n vitro:			ble data, the classification c		
	Genotoxicity:		Based on available data, the classification criteria are not met.				
	Mutagenicity <i>ii</i>	n vivo:	Based on available data, the classification criteria are not met.				
	Germ cell muta	agenicity:	Based on available data, the classification criteria are not met.				
	Reproductive t	oxicity:	Based on available data, the classification criteria are not met.				
	Summary of properties:	evaluation of the CN		Based on a met.	vailable data, the classificati	on criteria are not	
11.2.	Information or	other hazards:					
11.2.1.	Endocrine disru	upting properties:					
	Based on avai	lable data, does not conta uptors.	ain	-			
11.2.2.	Other informat	tion:					
	-						

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	-		



SAFETY DATA SHEET a to Regulation (FC) No. 1907/2

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

Page 11 of 16

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

		· · · · · · · · · · · · · · · · · · ·				····•	
Crustacea:		EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic μ	olants	IC ₅₀	4 days	No information available	No No information available available		-
Other organism	ganisms		-	-	-	-	
Chronic (long-t toxicity	erm)	Dose	Exposur time	Species	Method	Evaluation	Note
Fish	LC ₅₀ 96 hour		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	gae/aquatic plants IC ₅₀		72 hours	No information available	No information available	No information available	_
Other organisms			-	-	-	-	-
12.2 Persist	ence ar	nd degradab	ility				
Abioti		1					
	c degra	idation					
		gradation ha	alf-lives	Method	Evaluatio	on	Note
i	De			Method No information available	Evaluation No information available		Note
Marine water	De No in	gradation ha	vailable	No information	No informatio	on -	Note
Marine water Fresh water	No in	gradation ha	vailable vailable	No information available No information	No informatio available No informatio	on -	Note
Marine water Fresh water Air Soil	No in	gradation han formation a	vailable vailable vailable	No information available No information available No information	No informatio available No informatio available No informatio	on _ on _	Note
Marine water Fresh water Air Soil	No in No in No in	gradation han formation and fo	vailable vailable vailable	No information available No information available No information available No information	No information available No information available No information available No information available	on	Note
Marine water Fresh water Air Soil Biodeg	No in No in No in	gradation han formation and fo	vailable vailable vailable vailable	No information available No information available No information available No information available	No information available No information available No information available No information available No information available	on - on - on -	
Marine water Fresh water Air Soil	No in No in No in	gradation han formation a nformation a nform	vailable vailable vailable vailable	No information available No information available No information available No information	No information available No information available No information available No information available	on - on - on - on -	Note Note



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

Page 12 of 16

Trading name:	ERIOGNOST REAGENT								
Product code:	ERS-OT-X**	Version:	3						

12.3	Bioaccumu	lative p	otential									
	Octanol-wa	ater par	tition coeffi	cient (log Kow)						
Valu	e Cor	centrat	ion p	4	°C	М	ethod		Evalua	ation		Note
-	-		_	-	-	-			-		-	
	Bioconcent	tration f	factor (BCF)									
V	alue		Species		Ŋ	/lethod			Evaluation	on		Note
	rmation	No	inform	ation	No info		n		information	on	_	
availabl	e	availab	ole		availab	le		ava	ilable		_	
	Chronic ec	otoxicit	У					i				
	Value		Dose	-	osure ime	Spe	ecies	M	Method Ev		uation	Note
Chronic	toxicity on	fish	LC ₅₀	No information		No inforr	nation	No info	ormation	No inform	nation	_
	, , , , , , , , , , , , , , , , , , ,		- 30	available			vailable		available		ole	
Chronic	toxicity on			No		No		No		No		
	ea (<i>Daphnia</i>))	EC ₅₀		mation		nation		rmation	inform		-
	· · · · · · · · · · · · · · · · · · ·			availa	abie	availa	ые	ava	ilable	availal	oie	
12.4	Mabilityia	anil .										
12.4	Mobility in		ما مانمه شامینه	in a	n, iran n	ontol o						
	No informa		ed distribution	111 ווווו	TITIOTIT	iciildi C	ompart	ment	.5.			
	Surface ter		anabie									
	Value	131011.	°C	· ·	oncentra	tion		Ma	thod			Note
	No	No										INOLE
	information available	n info	ormation ailable		No information No info			tion	-			
	Adsorption) / deso	rntion									
	Ausorption	i / ues0	ηριιοιί									



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

amended by Regulation (EU) No. 2020/878

Page 13 of 16

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

Transpor	t A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note		
Soil-wate	No information available	No information available	No information available	No information available	-		
Water-ai	r No information available	No information available	No information available	No information available	on -		
Soil-air	No information available	No information available	No information available	No information available	-		
	Results of PBT and vPvB asses Based on available data, the p		contain any PBT or v	PvB substances.			
12.6.	Endocrine disrupting properti	es					
	Based on available data, does	not contain endo	crine disruptors.				
12.7.	Other adverse effects						
	No information available						
SECTION	l 13. Disposal consideration	s					
13.1	Waste treatment methods						
13.1.1.	Product/Packaging disposa	·					
13.1.1.	Submit for disposal to the learning disposal		rized by the Ministr	y of Environmental	and Nature		
13.1.2.	Wasta sadas (wasta dasigns	tions assording to	a Laure				
15.1.2.	Waste codes/waste designated 15 01 10*: Packaging that consults substances			s or is contaminated	d with hazardous		
13.1.3.	Waste treatment – relevant No information available	information:					
	INO IIIIOITIIALIOII AVAIIADIE						
13.1.4.	Sewage disposal – relevant	information:					
	Waste must not be dispose	d of into the sewa	ge system.				
13.1.5.	Other disposal recommend	ations:					



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

Page 14 of 16

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

	authorized by the ministry in	act's remains into the sewage system. Submit the remains to the collectors or charge. Do not dispose of the packaging into the sewage system. Submit ors authorized by the ministry in charge.
13.1.6.	Relevant Community provisi	ons:
	-	
SECTION	I 14 TRANSPORT INFORMAT	TION
	Transporting/shipment by roa	d (ADR)
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 rail	(RID)
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:	-
	Inland waterway transport (AD	DN)
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	(IMDG)
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:	-



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

Page 15 of 16

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

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: -	

zanotj, nodatn dna chvirol	nmental regulations/legislation specific for the substance or mixture
EU regulations	
Authorization and/or rest	trictions of use
Authorizations:	-
Restrictions:	-
Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council 18 December 2006 concerning the Registration, Evaluation, Authorisation at Restriction of Chemicals (REACH), establishing a European Chemicals Ager amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/l 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 20 on the limitation of emissions of volatile organic compounds due to the use of orgasiolvents in certain paints and varnishes and vehicle refinishing products amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and satiof workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of December 2008 on classification, labelling and packaging of substances and mixtu amending and repealing Directives 67/548/EEC and 1999/45/EC, and amend 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 Chemica (REACH). REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);



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

Page 16 of 16

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

	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 proute (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative	
16.3.	Key literature references and source of data:	-	
16.4.	Classification and procedure (1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)	
Classif	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

-



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

Page 1 of 16

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

SECT	ION 1: Identification of	the substance	e/mixture	e and of the company/undertaking		
1.1	Product identifier					
	Trading name:	FAST GREEN F.C.F. C		ONTRAST REAGENT		
	Chemical name:	-				
	Catalogue number:	FGKR-OT-X	**			
1.2	Relevant identified us	es of the subst	tance or n	nixture and uses advised against		
	Uses:		Counter	stain used with Grocott staining kit.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advi	vised against: med		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 sheet					
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	person:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	Emergency telephone number				
	National Protection a	nd Rescue Dire	ectorate:	112		
	Medical information:			-		
	Other information:			-		

SECTIO	ON 2. Hazards identification					
2.1	Classification of the substance	Classification of the substance or mixture				
2.1.1	Classification according to R	egulation (EC) No 1	272/2008 (CLP)			
	Hazard class and cate	egory code:	Hazard statements*:			
	Not identified as hazardous	substance.	-			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazaı	rd-statements: see	SECTION 16			
2.2	Label elements					
	Product identification:	FAST GREEN F.	C.F. CONTRAST REAGENT			
	Identification number:	-				
	Authorization number:	-				
	Hazard pictograms:	-				



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

amended by Regulation (EU) No. 2020/878

Page 2 of 16

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

	Signal word:	-		
	Hazard statements:	-		
	Precautionary statements:	-		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	The product has no other 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)		
-	-	-	Contains no hazardous substances	-		

SECTI	SECTION 4. First aid measures				
4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	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 effects, both acute and delayed				
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.			



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

Page 3 of 16

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

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

SECTI	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 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	CTION 6. Accidental release measures						
6.1	Personal precautions, protective equipment and emergency procedures						
6.1.1.	For non-emergency personnel	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:	nergency procedures: Mark the area using proper signs.					
6.1.2.	For emergency responders:						
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).						
6.2	Environmental precautions:						
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.						
6.3	Methods and material for containment and cleaning up						
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.					



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

amended by Regulation (EC) No. 1907/2006

amended by Regulation (EU) No. 2020/878

			Page 4 of 16	
Trading name:		FAST GREEN F.C.F. CONTRAST REAGENT		
Product code:	FGRK-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and involved materials with water.			
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see 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 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	patibilities				
	Technical measures and storage conditions:	well ventila	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	cturer's original packaging.			
	Requirements for storage rooms and vessels: Keep away from food and drink. Keep the contaitightly closed.					
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.				



Fresh water

Freshwater sediments

SAFETY DATA SHEET

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

Page 5 of 16

Tradi	Trading name: FAST GREEN F.C.F. CONTRAST REAGENT										
Prod	uct code: FGRK-OT-X** Date of compilation: 23 Dec 2022					c 2022	Version:	4			
	Further information on storage conditions:				itions:	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 e	end use(s)									
	Recomm	endations:				-					
	Industrial	sector sp	ecific solut	ions:		-					
SECT	ION 8. Expo	sure cont	rols/perso	nal pro	tection						
8.1	Control p	arameters									
Substance CAS No)	Occupational exposure limit values/short term values values		ogical limit values	5					
					ppm	m	g/m³				
-					-		-		-		
	ance name:	-									
EC No		-	CAS No	:	-						
DNEL	<u> </u>										
		1		1		lustrial			1		
Route			ute		Acute			onic		Chronic	
expos	sure:		t local		t systemic		еттес	t local		effect systemic	
Oral Inhala	nti an	-		-		-					
Derm		 -		-		+-			-		
		-	colubility	flamma	hility cor	rocivity					
Critica	al physical pa	arameters.	solubility,	Hallillia	<u> </u>	nsumer		-			
Route			cute et local		Acute t systemic		Chr	onic t local		Chronic effect systemic	
Oral		-		-		-			-		
Inhala	ation	-		-		-			-		
Derm	al	-		-		-			-		
PNEC		1				ı					
Enviro	nmental nro	toction to	rant			DNIFC					

no information available

no information available



Page 6 of 16

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

Marine water			no information available		
Marine sec	diments		no information available		
Food chair	١		no information available		
Microorganisms in sewage treatment			no information available		
Soil (agricu	ultural)		no information available		
Air			no information available		
8.2	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measu prevent exposure during identifie		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:	ent	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				
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				
	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:	During every day work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemical (Viton, PVC, himex) and footwear made from the same material.			
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.3.	Environmental exposure controls				



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

Page 7 of 16

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

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

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

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



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

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

Page 8 of 16

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

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

11.1 Informatio		ormation classes as defined i	in Regula	tion (FC) No 12	72/2008	
Acute toxi				(= 0,	-,	
Route of exposure:	Method	Species	Dos	e LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure ti	ime Results
Oral:	ral: - No informat available			_	No informatio available	on -
Dermal:	-	No information available		-	No informatio available	on -
Inhalation:	-	No information available		-	No informatio available	on -
Specific ta	rget organ to	xicity – single expo	osure (ST	OT SE):		
	S	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:	N	lo inform	ation available.		
Irritation a	nd corrosion					
i .	Ехро	osure time	Specie	s Evaluat	ion Method	Note
Skin corrosion/irritation:	–	-		-	-	-
Serious eye damage/irritation	-	-		-	-	-
Sensitizati	on					
Skin sensitization:	-					
Respiratory sensitiz	ation: -					



Page 9 of 16

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

	ms related to the p	hysical, chemic	al and toxicolog	gical characterist	ics	
Oral exposure:	No informa	tion available.				
Dermal exposure: No information		tion available.				
Inhalation expos	ure: No informa	tion available.				
Eye exposure:	No informa	tion available.				
Repeate	ed dose toxicity (su	bacute, subchro	onic, chronic)			
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	_
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	_
Chronic dermal	No information available	No information available	No information available	No information available	No information available	_
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-



Subacute oral

SAFETY DATA SHEET

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

No information available

Page 10 of 16

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

No information available

Subacu	te dermal	No information available	No information available -				
Subacu	te inhalation	No information available	No	o information available	-		
Subchro	onic oral	No information available	No	o information available	-		
Subchronic dermal No information available			No	o information available	-		
Subchronic inhalation No information available			No	o information available	-		
Chronic oral No information available			No	o information available	-		
Chronic dermal No information available		No	o information available	-			
Chronic	inhalation	No information available	No	o information available	-		
	CMR effects (c	arcinogenicity; mutagenicity; re		city) ilable data, the classifica	tion criteria are not		
	Mutagenicity i	n vitro:	Based on available data, the classification criteria are not met.				
	Genotoxicity:		Based on available data, the classification criteria are not met.				
	Mutagenicity i	n vivo:	Based on available data, the classification criteria are not met.				
	Germ cell mut	agenicity:	Based on available data, the classification criteria are not met.				
	Reproductive t	toxicity:	Based on available data, the classification criteria are not met.				
	Summary of properties:	evaluation of the CMR	Based on avail met.	able data, the classificat	ion criteria are not		
11.2.	Information or	n other hazards:					
11.2.1.	Endocrine disr	upting properties:					
	Based on ava endocrine disr	ilable data, does not contain uptors.	-				
		tion:					

SECTION 12. Ecologic	al informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note



Page 11 of 16

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

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

	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	-

		rac		

Bioacgiaaa	1011				
% Degradation	Time (days)	Method	Evaluation	Note	
No information available					



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

Page 12 of 16

Trading name:			FAST GREEN F.C.F. CONTRAST REAGENT									
Produc	ct code:	FGRK	-OT-X**		Date	of co	mpilati	on: 23 Dec	2022		Version:	4
12.3	Bioaccum	ulative p	otential									
	Octanol-v	vater pa	rtition coeff	icient (log Kow)						
Valu	ie Co	ncentra	tion p	Н	°C	М	ethod	Evalu	ation		Note	
-	-		-		-	-		-		-		
	Bioconcer	ntration	factor (BCF))								
V	/alue		Species	<u> </u>	<u> </u>	Method		Evaluati	on		Note	
No info	rmation	No	inform	nation	No info	ormatio	on	No informati	on _			
availab	le	availal	ole		availab	le		available	_			
	Chronic e	cotovicit	W									
		COTOXICIT		Fxn	osure							
	Value		Dose		ime	Sp	ecies	Method	Evaluati	on	Note	†
<i>c</i> ı .		C. I	1.6	No		No		No	No			
Chronic	toxicity on	i fish	LC ₅₀	avail	mation able	availa	mation able	information available	informati available	on	-	
Chronia	- tavisitu on			No		No		No	No			
	toxicity on ea (<i>Daphni</i> o		EC ₅₀		mation		mation	information	informati	on	-	
	-			avail	аріе	availa	аріе	available	available			
12.4	Mobility i	n soil										
127	i -		ed distribut	ion in e	environm	nental (compart	ments:				
	No inform	•										
	Surface te	ension:										
	Value		°C	С	oncentra	ition		Method			Note	
	No information available		ormation ailable		informa nilable	tion	No inf availat	ormation ole	-			
	.	<u>i</u>		<u>i</u>			-		i			



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

Page 13 of 16

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

A	dsorption / 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	-
	esults of PBT and vPvB asses ased on available data, the p		t contain any PRT or v	/PvB substances	
	ased on available data, the p		- Contain any 1 bi of v	T VD 3dD3tdTicc3.	
12.6. E	ndocrine disrupting properti	es			
	ased on available data, does		docrine disruptors.		
12.7. O	ther adverse effects				
N	lo information available				
	13. Disposal consideration	S			
13.1	Waste treatment methods				
13.1.1.	Product/Packaging disposa	·			
13.1.1.	Submit for disposal to the le		horized by the Ministr	v of Environmental	and Nature
	Protection.	- J. P - 100.1 dd.1			
13.1.2.	Waste codes/waste designa				
	15 01 10*: Packaging that c substances	ontains residual	hazardous substance	s or is contaminate	d with hazardous
1					
13.1.3.	Waste treatment – relevant	information:			
	No information available				
1214	Courage disposal relevant	information			
13.1.4.	Sewage disposal – relevant	imormation:			



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

Page 14 of 16

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

	Waste must not be disposed o	f 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.				
13.1.6.	Relevant Community provisions:				
	-				
SECTION	14. Transport information				
٦	Fransporting/shipment by road (ADR)			
UN numb	er:	Not subject to transport regulations			
UN prope	er shipping name:	-			
Transport	: hazard class(es):	-			
Packing g	roup:	-			
Environm	entally hazardous:	-			
Special p	recautions for user:	-			
٦	Fransporting/shipment by rail (R	ID)			
UN numb	er:	Not subject to transport regulations			
UN prope	er shipping name:	-			
Transport	: hazard class(es):	-			
Packing g	roup:	-			
Environm	entally hazardous:	-			
Special p	recautions for user:	-			
I	nland waterway transport (ADN)				
UN numb	er:	Not subject to transport regulations			
UN prope	er shipping name:	-			
Transport	: hazard class(es):	-			
Packing g	roup:	-			
Environm	entally hazardous:	-			
Special p	recautions for user:	-			
٦	Transporting/shipment by sea (II	MDG)			
UN numb	er:	Not subject to transport regulations			
UN prope	er shipping name:	-			
Transport	: hazard class(es):	-			
Packing g	roup:	-			



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

Page 15 of 16

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

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

15.1	Safety, health and envi	ronmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or re	estrictions 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; 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);



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

Page 16 of 16

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

	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	ION 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 used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)					
Classifi	ication	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 safety assessment
-



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

Page 1 of 16

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

1.1.	Product identifier			
	Trading name:	SAFRANIN	E O REAGENT	
	Chemical name:	-		
	Catalogue number:	SAFO-OT		
1.2.	Relevant identified uses	of the subst	ance or mixtur	re and uses advised against
	Uses:		Countersta	ining reagent for use in histology and cytology.
	Uses advised against:		Only the id	entified uses are advised.
	Reason why uses advise	medical device, registered at the Agency		t is intended for use only as an <i>in vitro</i> diagnostic vice, registered at the Agency for Medicinal Products al Devices and there is no reason to use it for other
1.3.	Details of the supplier of the safety data sheet			
	Supplier: E		BioGnost Ltd.	
	Address:		Medjugorska 59, Zagreb	
	Telephone number:		+385 1 2409997	
	Fax no.:		+385 1 2404039	
	e-mail of competent pe	rson: <u>ı</u>	msds@biognost.hr	
	National contact:	-	-	
1.4.	Emergency telephone number			
	National Protection and	Rescue Dire	ectorate:	112
	Medical information:			+385 1 2348 342
	Other information:			_

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulati	on (EC) No 1272	2/2008 (CLP)		
	Hazard class and category	code:	Hazard statements*:		
	Not identified as hazardous substance				
2.1.2.	Additional information				
	-				
*For ful	text of Hazard- and EU Hazard-state	ements: see Sect	ion 16		
2.2.	Label elements				
	Product identification:	SAFRANINE O	REAGENT		
	Identification number:	-			
	Authorization no.:	-			



Page 2 of 16

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

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

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



Page 3 of 16

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

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

SECTIO	ECTION 5. Firefighting measures						
5.1.	Extinguishing media						
	Suitable extinguishing media: Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam						
	Unsuitable extinguishing media: water jet						
5.2.	Special hazards arising from the substance or mixture						
	Hazardous combustion products: No information available						
5.3.	Advice for firefighters						
	Use a self-contained open-circuit 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 measures					
6.1.	Personal precautions, protective equipment and emergency procedures					
6.1.1.	For non-emergency personnel					
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.				
	Emergency procedures:	Mark the area using proper signs.				
6.1.2.	For emergency responders:					
	Wear protective equipment (see Sec	ction 8).				
6.2.	Environmental precautions:					
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.					
6.3.	Methods and material for containm	ent and cleaning up				



Page 4 of 16

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

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

7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:		Keep away from sources of heat and ignition. Do not smoke.		
	Measures to prevent aerosol and dust generation	n:	Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		-		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2.	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions: wel		Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.		
	Packaging materials:	Man	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: mu dra		storage must be made of hard material; floors t be resistant to chemicals. There must be no n that directly leads into sewage system. Secure per ventilation.		
	Further information on storage conditions: and che		not place the unused material in the storage room do not use empty containers for storing other nicals. Do not store with incompatible materials Section 9).		
7.3.	Specific end use(s)				



Soil (agricultural)

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

amended by Regulation (EU) No. 1907/2006

Page 5 of 16

								Page 5 01 16	
Trading name:				SAFR	ANINE C	REAGENT			
Product code:	-X**	Date	e of co	mpilation	: 21 Dec 20	22	Version: 2		
Recommer Industrial s		ific solutions			-				
SECTION 8. Exposu	ıre control	s/personal p	protectio	n					
8.1. Control pa									
Substance		CAS N	No		•	xposure limit term values	В	iological limit values	
				р	pm	mg/m³			
-		-			-	-	No in	formation available	
Substance - name:									
EC No: -		CAS No:	-						
DNEL									
				Indust	rial				
Route of exposure	•	Acute effect local		Acute effect systemic		Chronic effect local		Chronic	
·	effe							effect systemic	
Oral	-		-			-		-	
Inhalation	-		-			-		-	
Dermal	-		-			-		-	
Critical physical para	ameters: so	lubility, flam				-			
			1	Consur					
Route of exposure		Acute ect local	effe	Acute ect syste		Chronic effect loca	I	Chronic effect systemic	
Oral	-		-			-		-	
Inhalation	-		-			-		-	
Dermal	-		-			-			
PNEC				ı					
Environmental prote	ection targe	et			PNEC				
Fresh water					No inform	ation available			
Freshwater sedimen	ts				No inform	ation available			
Marine water					No information available				
Marine sediments					No inform	nation available			
Food chain					No inform	nation available			
Microorganisms in sewage treatment					No information available				

No information available



Page 6 of 16

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

Air			No information available		
8.2.	Exposure controls				
8.2.1.	Engineering measures				
	Substance/mixture related measures to prevent exposuring 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 pre exposure:	vent	No information available		
	Organisational measures to prevent exposure:	0	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to pre- exposure:	vent	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equip	ment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166 or visor.			
8.2.2.2.	Skin protection				
	Hand protection:		ctive gloves must be according to the EU Directive 2016/425/EEC andard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long s (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter fo	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation available		
8.2.3.	Environmental exposure co	ontrols			
	Substance/mixture related measures to prevent expos		See Section 6		
	Structural measures to pre exposure:	vent	Use modern equipment.		
	Organisational measures to prevent exposure:	0	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to pre- exposure:	vent	See Section 6		

SECTION 9. Physical and chemical properties



Page 7 of 16

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

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

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				

SECTI	ON 11. Toxicological information
11 1	Information on hazard classes as defined in Regulation (EC) No 1272/2008



Eye exposure:

No information available

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

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

Page 8 of 16

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

Acute toxicity	y:					
Route of exposure:	Method	Species	Effective dose LD_{50}/LC_{50} or $Exposure time$ $ATE_{mixture}$		e Results	
Oral exposure:	No information available	-	LD ₅₀	-	-	
Dermal exposure:	No information available	-	LD ₅₀	-	-	
Inhalation exposure:	No information available	-	LC ₅₀	-	-	
Specific targe	et organ toxicity – sing	gle exposure (STO	T SE):			
	Specifi	c effects	Target org	jan	Note	
Oral exposure:	No information a	vailable	No information available	-		
Dermal exposure:	No information a	vailable	No information available	-	-	
Inhalation exposure:	No information a	vailable 	No information available	-	-	
Respiratory i	rritation:	No inform	nation available			
'						
Irritation and	l corrosion					
	Exposure time	Species	Evaluatio	n Meth od	Note	
Skin irritation:	-	-	-	-	-	
Eye irritation:	-	-	-	-	-	
Sensitization						
Dermal exposure:	No information availal	ble				
Inhalation exposure:	No information availal	ble				
Symptoms re	elated to the physical,	chemical and toxi	cological characteris	stics		
Oral exposure:	No information ava	ilable				
Dermal exposure:	No information ava	nilable				
Inhalation exposure:	No information ava	ilable				
	:					



Page 9 of 16

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

Переаг	ed dose toxicity (suba	Tute, Subcritori	ic, chronic)		1	1
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No n information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No n information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No n information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No n information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No n information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No n information available	No information available	_
Chronic oral	No information available	No information available	No information available	No n information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No n information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No n information available	No information available	-
Specific	target organ toxicity	- reneated evr	oosure (STOT	· RE/·		
эрссии		Specific effects	,03010 (3101	Target org	an	Note
Subacute oral		tion available		No information available		<u> </u>
Subacute derma	l No informa	tion available		No information available		
Subacute inhalat	ion No informa	tion available		No information avail	lable -	
Subchronic oral	No informa	tion available		No information avail	lable -	
Subchronic derm	nal No informa	tion available		No information avail	lable -	
Subchronic inhal	ation No informa	tion available		No information avail	lable -	



Page 10 of 16

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

CHIOHIC	c oral No informat		tion available	No information available	-
Chronic	c dermal No informat		tion available	No information available	-
Chronic	inhalation	No informat	tion available	No information available	-
	CMR effects ((carcinogenicity,	mutagenicity, repro	ductive toxicity)	
	Carcinogenic	ity:	Based on availa	able data, the classification criteria are	not met.
	Mutagenicity	in-vitro:	Based on availa	able data, the classification criteria are	not met.
	Genotoxicity:		Based on availa	able data, the classification criteria are	not met.
	Mutagenicity	in-vivo:	Based on availa	able data, the classification criteria are	not met.
	Germ cell mutagenicity: Reproductive toxicity:		Based on available data, the classification criteria are not r		
			Based on availa	Based on available data, the classification criteria are not n	
	Summary of e	evaluation of the	e CMR properties:	-	
	Summary of 6	evaluation of the	e CMR properties:	-	
11.2		evaluation of the		-	
11.2 11.2.1.	Information of		: :	-	
	Information of Endocrine dis	on other hazards srupting propert ce/mixture does	ies:	-	
	Information of Endocrine dis The substant components	on other hazards srupting propert ce/mixture does considered	ies: not contain to have	-	
	Information of Endocrine dis The substance components endocrine dis	on other hazards srupting propert ce/mixture does considered srupting propert	ies: not contain to have ies according	-	
	Information of Endocrine dis The substant components endocrine dis to REACH A	on other hazards srupting propert ce/mixture does considered	ies: not contain to have ies according Commission	-	
	Information of Endocrine dis The substance components endocrine dis to REACH A Delegated re Commission	on other hazards srupting propert ce/mixture does considered srupting propert Article 57(f) or egulation (EU) 2 Regulation (EU)	ies: not contain to have ies according Commission 2017/2100 or	-	
	Information of Endocrine dis The substant components endocrine dis to REACH A Delegated re	on other hazards srupting propert ce/mixture does considered srupting propert Article 57(f) or egulation (EU) 2 Regulation (EU) 6 or higher.	ies: not contain to have ies according Commission 2017/2100 or		

SECTION 12. Ecological information								
12.1. Toxicity	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	-	-		



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

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

Page 11 of 16

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

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

Abjotic	dearada	tınn
	degrada	uon

	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	-



Page 12 of 16

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

Produc	t code:	SAFO-OT-X**		Date o	f compilation	on: 21 Dec	202	2 Versio	n: 2
	Bioconcent	ration factor (BCF)							
V	alue	Species	'	Met	thod	Evaluation	1 1 1 1 1 1 1 1	Not	·е
No info	rmation	No inform available	nation	No inform available		No information available		No information	
	Chronic eco	otoxicity	1				1		
	Value	Dose		osure me	Species	Method		Evaluation	Note
Chronic	toxicity on 1	ish LC ₅₀	No infori availa	mation ir	lo nformation vailable	No information available		information ailable	-
	toxicity on ea (<i>Daphnia</i>)	EC ₅₀	No infori availa	mation ir	lo nformation vailable	No information available		information ailable	-
	No informa	ation available							
	Value	°C	C	oncentratio	n	Method		No	te
	No information available	No information available	_	informatio ilable	n No inf availab	ormation ble		-	
	Adsorption	/ desorption							
Transpo	ort !	'D coefficient nry's constant	lc	g Kow	Evap	oration rate		Method	Note
Soil-wat	ter No availa	information ble	No ir availa	formation able	No inform	nation available)	No information available	-
			No in	£ 4:				No information	
Water-a	air No availa	information ble	availa	formation able	No inform	nation available)	available	-



Page 13 of 16

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

12.5.	Results of PBT and vPvB assessment
***************************************	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.6.	Endocrine disrupting properties
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7.	Other adverse effects
	No information available
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
12.1.0	
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:



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

Page 14 of 16

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

SECTION 14. Transport information	
Transporting/shipment by road	(ADR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (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 (ADI	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 (l	CAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-



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

amended by Regulation (EU) No. 2020/878

Page 15 of 16

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

Special precautions for u	ser:	-
Further information:	_	

15.1.	Safety, health and enviro	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-guideline)					
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act				
15.2.	Chemical safety assessme	ent				
	None					

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



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

amended by Regulation (EU) No. 2020/878

Page 16 of 16

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

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

		м			
$\boldsymbol{-}$	1		_	^	=

Exposure scenario resulting to Chemical safety assessment

-