

### PARALDEHYDE FUCHSIN KIT

The kit contains:

Fast Green F.C.F. reagent
Histanol 70
Nuclear Fast Red (Kernechtrot) reagent
Oxalic acid, 1% solution
Paraldehyde Fuchsin reagent
Potassium permanganate, 0.5% solution

Sulfuric acid, 0.5% solution



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

Page 1 of 17

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

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

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substance of	or mixture				
2.1.1	Classification according to Regu	ulation (EC) No 12	272/2008 (CLP)			
	Hazard class and catego	ory code:		Hazard statements*:		
	Not identified as hazardous sub	stance.	-			
2.1.2.	Additional information					
	-					
*For ful	ll text of Hazard- and EU Hazard-	statements: see S	ECTION 16			
2.2	Label elements					
	Product identification:	FAST GREEN F.C	F. REAGENT			
	Identification number: -					
	Authorization number:	_				



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

Page 2 of 17

Trading name:		FAST GREEN F.C.F. REAGENT			
Product code:	FGR-OT-X**	Date of compilation: 23 Dec 2022	2 V	ersion:	4

	Hazard pictograms:	-
	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 assessi PBT or vPvB substances.	ment: Based on available data, the product does not contain any
	Endocrine disrupting property:	Based on available data, does not contain endocrine disruptors.

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

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:	-



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

Page 3 of 17

Trading name:		FAST GREEN F.C.F. REAGENT			
Product code:	FGR-OT-X**	Date of compilation: 23 Dec 2022	2 V	ersion:	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 me	edical 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 co	ompressed air breathing apparatus and fireproof clothing.			
5.4	Additional information				
	Cool endangered receptacles with w contaminate the environment with e	vater spray. Collect contaminated firefighting water separately. Do not extinguishing media.			

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



#### **SAFETY DATA SHEET** BIOGNOST® According to Regulation (EC) No. 1907/2006

amended by Regulation (EU) No. 2020/878

				Page 4 of 17	
Trading name:		FAST GREEN F.C.F	. REAGENT		
Product code:	FGR-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	า:	Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	patibilities			
	Technical measures and storage conditions:	well 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	ırer's original packaging.		
	Requirements for storage rooms and vessels:  Keep away from food and drink. Keep the container tightly closed.				
	Advices for storage equipment:	must be re	e must be made of hard material; floors esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper		



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

amended by Regulation (EU) No. 2020/878
Page 5 of 17

				1 496 5 61 17	
Trading name:		FAST GREEN F.C.F.	. REAGENT		
Product code:	FGR-OT-X**	Date of compilation:	23 Dec 2022	Version:	4

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

SECTION 8. Expos	ure contr	ols/perso	nal pr	rotection					
8.1 Control pa	arameters								
Substance		CAS No			Occupational exposure limit values/short term values			Biological limit values	
					k	opm	mg/m³		
-			-			-	-		-
Substance name:	-			,					
EC No:	-	CAS No	:	-					
DNEL									
Industrial									
Route of exposure:	Acı effect				С		Chronic effect local		Chronic effect systemic
Oral	-		-			-			-
Inhalation	-		-			-			-
Dermal	-		-			-			-
Critical physical par	rameters: s	solubility,	flamm	ability, co	rros	ivity:	-		
				Co	nsu	mer	·		
Route of exposure:	Act effect		effe	Acute ect systemi	С		Chronic effect local		Chronic effect systemic
Oral	-		-			-			-
Inhalation	-		-			-			-
Dermal	-		-			-			-
PNEC					·				
Environmental prot	tection tar	get			PNEC				
Fresh water					no information available				
Freshwater sediments					no information available				



#### **SAFETY DATA SHEET** BIOGNOST® According to Regulation (EC) No. 1907/2006

amended by Regulation (EU) No. 2020/878

			Page 6 of 17	
Trading name:		FAST GREEN F.C.F. REAGENT		
Product code:	FGR-OT-X**	Date of compilation: 23 Dec 2022	Version:	4

8.2.3.	Environmental exposure contro	ls			
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.2.3.	Respiratory protection:	with a	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.		
	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.			
	Hand protection:	The protective gloves have to satisfy the specification of Regulation (EU) 2016/425 and the related standard EN 374.  Glove material: nitrile rubber  Glove thickness: 0.40 mm  Time until perforation: > 480 min			
8.2.2.2.	Skin protection				
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.	Personal protection equipment				
	Technical measures to prevent of	exposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.		
	Organisational measures to pre- exposure:	vent	Organization of work in order to reduce other worker's influence during work process.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Substance/mixture related mean prevent exposure during identified		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
8.2.1.	Appropriate engineering contro	ols			
8.2	Exposure controls				
Air			no information available		
Soil (agric			no information available		
Microorga	anisms in sewage treatment		no information available		
Food chai			no information available		
Marine se			no information available		
Marine water			no information available		



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

Page 7 of 17

Trading name:		FAST GREEN F.C.F. REAGENT		
Product code:	FGR-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:	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	
2	Other information			

#### **SECTION 10. Stability and reactivity**



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

Page 8 of 17

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

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

11.1 Informatio	n on hazard o	classes as defined	l in Regula	tion (EC) No 12	272/2008			
Acute toxi	city:							
Route of exposure:	Method	Species	Dos	e LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure 1	time	Results	
Oral:	-	No informatior available	า	<del>-</del>	No information	on	_	
Dermal:	-	No informatior available	า	-	No information	on	_	
halation:		No information available	1	-	No information	on	-	
Specific ta	rget organ to	xicity – single exp	oosure (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						
Aspiration	hazard:		No inform	o information available.				
Irritation a	nd corrosion				i			
	Ехро	osure time	Specie	s Evaluat	tion Method	t	Note	
Skin corrosion/irritation	<del>-</del>		-	-	<b>—</b>	-		
Serious eye damage/irritation	-	-	-	-	-	-		
Sensitizati	on							



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

amended by Regulation (EU) No. 2020/878

Page 9 of 17

Trading name:		FAST GREEN F.C.F. REAGENT						
Product code:	FGR-OT-X**	Date of compilation: 23 Dec 2022	2 V	ersion:	4			

Sympto	ms related to the p	hysical, chemic	al and toxicolog	gical characterist	ics		
Oral exposure:	No informa	tion available.					
Dermal exposure	: No informa	tion available.					
Inhalation exposure: No information 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	-	



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

Page 10 of 17

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

		Specific effects		Target organ	Note		
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	-		
	CMR effects (c	arcinogenicity; mutagenicity; re	productive to	oxicity)			
	Carcinogenicit		Based on available data, the classification criteria are not met.				
	Mutagenicity in vitro:		Based on available data, the classification criteria are not met.				
	Genotoxicity:		Based on a met.	vailable data, the classificat	tion criteria are not		
	Mutagenicity i	n vivo:	Based on available data, the classification criteria are not met.  Based on available data, the classification criteria are not met.				
	Germ cell muta	agenicity:					
	Reproductive t	coxicity:	Based on a met.	vailable data, the classificat	tion criteria are not		
	Summary of properties:	evaluation of the CMR	Based on av	railable data, the classificati	on criteria are not		
11.2.	Information or	n other hazards:					
11.2.1.	Endocrine disr	upting properties:					
	Based on avai	ilable data, does not contain uptors.	-				
11.2.2.	Other informat	tion:					
	-						

SECTION 1	12. Ecologi	ical inf	ormation
-----------	-------------	----------	----------

12.1 Toxicity



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

Page 11 of 17

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

Product code:	FGR-OT-X**		Date of compila	tion: 23 Dec	2022	Version: 4
	:		:	:	:	:
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	n Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No informatio available	n -
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No informatio available	n -
Algae/aquatic plants	S IC <sub>50</sub>	4 days	No information available	No information available	No informatio available	n -
Other organisms	-			-		
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	n Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No informatio available	n -
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No informatio available	n -
Algae/aquatic plants	c plants IC <sub>50</sub> 72		No information available	No information available	No informatio available	n -
Other organisms	-	-	-	-	-	-
12.2 Persistence	and degradab	oility				
Abiotic deg	radation			î.		
	Degradation ha	alf-lives	Method	Evaluatio	n	Note
			No information	Na informatio	_	

	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	-

Bioc		

% Degradation	Time (days)	Method	Evaluation	Note



Trading name:

#### **SAFETY DATA SHEET**

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

**FAST GREEN F.C.F. REAGENT** 

Page 12 of 17

Produc	t code:	FGR	-OT-X**		Da	te of co	mpilati	ation: 23 Dec 2022			Version: 4		4
No info availabl	rmation e	No ava	o in ailable	formation					No information available		No information available		
12.3	Bioaccumulative potential												
	Octanol-w	ater p	artition c	oefficient	(log Ko	w)							
Valu	e Co	ncentr	ation	рН	°C	Me	ethod		Evalua	ation		Note	
-	_			-	-	-			-		-		
	Bioconcer	ntration	n factor (l	BCF)	-			*					
V	Value Species				Method		Evaluation		Note				
	No information No information			No information			No information available		-				
availabl	vailable available		availa	ible		ava	ilable						
	Chronic e	cotovio	city										
	CHIOTIC	COLOXIC	LILY	Fv	posure			1 1 1 1 1 1 1 1 1 1					
	Value		Dos	e L	time	Spe	ecies	٨	1ethod	Evalu	uation	Note	
				No		No		No		No			
Chronic	toxicity on	fish	LC <sub>50</sub>		rmation		mation	1	ormation	inform		-	
					ilable	availa	ibie		ilable	availak	oie		
	toxicity on		EC <sub>50</sub>	No info	rmation	No inforr			No inform	ormation -			
crustace	ea ( <i>Daphnic</i>	1)			ilable	availa	able	1	ilable	availal			
12.4	Mobility in	n soil											
	Known or	predic	ted distri	bution in	environ	mental c	compart	ment	ts:				
	No inform	ation	available										
	Surface te	nsion:								ı			
	Value		°C		Concent	ration		Мє	ethod			Note	
	No informatio available	on ii	No nformatic available	n i	o inform vailable	nation	No inf availal		ntion	-			



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

Page 13 of 17

Trading name:		FAST GREEN F.C.F. REAGENT						
Product co	Product code: FGR-OT-X*		Date of compilation: 23 Dec		23 Dec 2022	Version:	4	
	_							
Ad	<u> </u>	/ desorption						
Transport		'D coefficient nry's constant	log Kow	Evaporation ra	te Method	Note		
Soil-water	No availat	information ole	No information available	No information available	No information available	-		
Water-air	No availal	information ole	No information available	No information available	No information available	-		
Soil-air	No availal	information ole	No information available	No information available	No information available	-		
12.7. Otl	her adve	vailable data, does rse effects tion available	not contain en	docrine disruptors.				
INC	IIIIOIIIIa	ition available						
SECTION 1	3 Disno	sal consideration	ς					
		eatment methods	<u></u>					
13.1.1. F	roduct/F	Packaging disposa	:					
	Submit fo Protection	•	egal person aut	horized by the Min	istry of Environmental	and Nature		
		des/waste designa						
	5 01 10* ubstance		ontains residual	hazardous substa	nces or is contaminate	d with hazardo	JS	
13.1.3. V	Vaste tre	eatment – relevant	information:					
١	No inforn	nation available						



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

Page 14 of 17

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

13.1.4.	Sewage disposal – relevar	nt information:	
	Waste must not be dispos	sed of into the sewage system.	
13.1.5.	Other disposal recommen	dations:	
	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 prov	risions:	
	-		
SECTION	N 14. Transport informatio	n	
	Transporting/shipment by r	oad (ADR)	
UN num	ber:	Not subject to transport regulations	
UN prop	er shipping name:	-	
Transpoi	rt hazard class(es):	-	
Packing	group:	-	
Environn	nentally hazardous:	-	
Special precautions for user:		-	
	Transporting/shipment by r	ail (RID)	
UN number:		Not subject to transport regulations	
UN prop	er shipping name:	-	
Transpoi	rt hazard class(es):	-	
Packing	group:	-	
Environn	nentally hazardous:	-	
Special p	precautions for user:	-	
	Inland waterway transport (	ADN)	
UN num	ber:	Not subject to transport regulations	
UN prop	er shipping name:	-	
Transport hazard class(es):		-	
Packing group:		-	
Environn	nentally hazardous:	-	
Special p	precautions for user:	-	
	Transporting/shipment by s	ea (IMDG)	
UN num	ber:	Not subject to transport regulations	
UN prop	er shipping name:	-	



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

Page 15 of 17

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

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

SECTIO	N 15. Regulatory information				
15.1	Safety, health and envi	ronmental regulations/legislation specific for the substance or mixture			
	EU regulations				
	Authorization and/or r	estrictions of use			
	Authorizations:	-			
	Restrictions:	-			



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

Page 16 of 17

Trading name:	FAST GREEN F.C.F. REAGENT		REAGENT		
Product code:	FGR-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	ment
	None	

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



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

Page 17 of 17

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

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

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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

Page 1 of 17

Trading name:		HISTAN	OL 70		
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

1.1	Product identifier						
	Trading name:	HISTANOL 7	HISTANOL 70				
	Chemical name:	Ethyl alcohol					
	Catalogue number:	H70-X**					
1.2	Relevant identified us	Relevant identified uses of the substance o		nixture and uses advised against			
	Uses:		For use	in histocytology and cytology sample processing.			
	Uses advised against:		Only the	e identified uses are advised. Unsuitable for human aption.			
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.				
1.3	Details of the supplie	Details of the supplier of the safety data sheet					
	Supplier:		BioGnost Ltd.				
	Address:		Medjugorska 59, Zagreb				
	Telephone number:		+385 1 2409997				
	Telefax.:		+385 1 2404039				
	e-mail of competent person:		msds@biognost.hr				
	National contact:		-				
1.4	Emergency telephone	Emergency telephone number					
	National Protection a	nd Rescue Dire	ctorate:	112			
	Medical information:			+385 1 2348 342			
	Other information:			-			

SECTIO	N 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Reg	ulation (EC) No 12	72/2008 (CLP)		
	Hazard class and catego	ory code:	Hazard st	atements*:	
	Flam. Liq. 2		H225		
2.1.2.	Additional information				
	-				
*For ful	ll text of Hazard- and EU Hazard-	statements: see Sl	ECTION 16		
2.2	Label elements				
	Product identification:	HISTANOL 70			
	Identification number:	-			
	Authorization number:	-			



Page 2 of 17

Trading name:		HISTAN	OL 70		
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

	Hazard pictograms:	GHS02		
	Signal word:	Danger		
	Hazard statements:	H225 Highly flammable liquid and vapor.		
	Precautionary statements:	P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking.  P233 Keep container tightly closed.  P280 Wear protective gloves/protective clothing/eye/protection/face protection.  P403+P235 Store in a well-ventilated place. Keep cool.		
	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. Co	SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	~ 70%	ethanol	Flam. Liq. 2; H225	

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:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.		
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.		



Page 3 of 17

Trading name:		HISTAN	OL 70		
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting.  Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.
	Self-protection of the first aider:	-
4.2	Most important symptoms and effects, both acute and delayed	
	Following inhalation:	Inhalation of larger quantities may affect the central nervous system.
	Following skin contact:	Prolonged or repeated dermal contact may cause the defatting and dryness of the skin.
	Following eye contact:	May irritate the eyes.
	Following ingestion:	Ingestion of larger quantities may affect the central nervous system.
4.3	Indication of any immediate medi	cal attention and special treatment needed
	If larger quantities have entered the	ne body, obtain medical treatment (gastric lavage, activated carbon).

SECTION	ON 5. Firefighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media:	Extinguishing powder, alcohol-resistant foam, water, carbon-dioxide.
	Unsuitable extinguishing media:	Water with full jet.
5.2	Special hazards arising from the su	ubstance or mixture
	Hazardous combustion products:	Highly flammable liquid and vapour.  In case of fire, smoke, and other combustion products (carbon monoxide, carbon dioxide) may be formed, the inhalation of such combustion products can have serious adverse effects on health.  Vapours may form an explosive mix with air. Vapours may be ignited by open flames, sparks, electrical equipment, or static charge. Vapours may travel to great distances, ignite in contact with ignition sources and flash back to the primer source (container).  Vapours of ethyl alcohol mix greatly with air and may form an explosive mixture. Air containing 3.3 – 19 % ethyl alcohol vapours may explode in contact with ignition sources. Diluting the mixture with large amounts of water results in the loss of its flammability (around 10 % concentration of ethyl alcohol).
5.3	Advice for firefighters	
	Wear full protective clothing and s water spray. Use water spray to dis	elf-contained breathing apparatus. Cool the fire affected containers with ssipate alcohol vapours.
5.4	Additional information	
	-	



Page 4 of 17

Trading name:		HISTAN	OL 70		
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

6.1	Personal precautions, protective	ve 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.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	ventilation. Vapours may accu and spark sources, turn off ma	Avoid contact with skin, eyes and clothing and inhaling gases, vapours and aerosols. Ensure adequate ventilation. Vapours may accumulate at floor level in low and confined spaces. Remove all heat, ignition and spark sources, turn off machines. Ignition spark arrestor must not be operated in the danger area. Use spark-proof tools. Be aware of the risk of slipping.		
6.2	Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.			
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.		
6.3.2.	Cleaning up:	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. During the collection, placement, disposal of the waste, wear appropriate individual protective equipment. Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).		
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).		
	Reference to other sections			
6.4	Reference to other sections			

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



Page 5 of 17

Trading name:		OL 70	_		
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generation	n:	Ensure adequate ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	patibilities			
	Technical measures and storage conditions:	away from unopened	well-ventilated place, protected from sunlight, a sources of heat and ignition, in its original, and hermetically sealed packaging, away dizing agents, food, feed and articles of ion.		
	Packaging materials:	Manufactu	cturer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.			
	Advices for storage equipment:	be resistar	pe must be made of hard material; floors must nt to chemicals. There must be no drain that leads into sewage system. Secure proper i.		
	Further information on storage conditions:	and do n	ot use empty containers for storing other Do not store with incompatible materials (see ).		
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

SECTION 8. Exposure controls/personal protection						
8.1 Control parameters						
Substance	stance CAS No		exposure limit term values	Biological limit values		
		ppm	mg/m³	_		
Ethanol	64-17-5	1000/-	1900/-	-		
		•				
Substance name: -						



Air

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

Page 6 of 17

Trading name:			HISTA	NOL 70	1 age 0 of 1	<u>,                                      </u>
Product code:	H70-X*	*	Revision date:	05 Dec 2022	Version:	6
			<u> </u>			

EC No:	- C	AS No:	-				
DNEL							
			Inc	dustrial			
Route of	Acute		Acute		_	ronic	Chronic
exposure:	effect loc	al et	ffect systemic	С	effe	ct local	effect systemic
Oral	-	-		-			-
Inhalation	1900 mg/m (ethanol)	3 -		-			380 mg/m³ (ethanol)
Dermal	-	-		-			343 mg/kg (ethanol)
Critical physical par	ameters: solu	ıbility, flam	nmability, co	rosivity:		-	
Consumer							
Route of	Acute	e	Acute		Ch	ronic	Chronic
exposure:	effect lo	ocal e	ffect systemi	с	effe	ct local	effect systemic
Oral	-	-		-			87 mg/kg bw/day (ethanol)
Inhalation	950 mg/r (ethanol)	n <sup>3</sup> -		-			114 mg/m³ (ethanol)
Dermal	-	-		-			206 mg/kg (ethanol)
PNEC							
Environmental prote	ection target			PNEC			
Fresh water				0.96 mg/l (ethanol)			
Freshwater sedimer	nts			3.6 mg/kg (ethanol)			
Marine water			0.79 mg/l (ethanol)				
Marine sediments			2.9 mg/kg (ethanol)				
Food chain				380-720 mg/kg (ethanol)			
Microorganisms in	sewage treat	ment		580 mg/l	(etha	nol)	
Soil (agricultural)				0.63 mg/kg (ethanol)			

8.2	Exposure controls	Exposure controls		
8.2.1.	Appropriate engineering controls	Appropriate engineering controls		
	Substance/mixture related measures to prevent exposure during identified uses:	In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.		
	Structural measures to prevent exposure:	In accordance with Section 7.		

no information available



Page 7 of 17

Trading name:	HISTANOL 70				
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent exposure:  Us		In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation.		
			Use non-sparkling ventilation system.		
			Provide appropriate personal protective equipment, safety shower and eye-wash station.		
8.2.2.	Personal protection equipment				
8.2.2.1.	Eye and face protection:		propriate, chemical-proof protective glasses/face shield (EN 321-1:2022, EN 166).		
8.2.2.2.	Skin protection				
	Hand protection:	Use ap	ppropriate, chemical-resistant protective gloves (EN 374).		
	Other skin protection:	Use ap	ppropriate protective clothing.		
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If ntration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short at and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).		
8.2.2.4.	Thermal hazards:	No the	ermal hazards known.		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:	Use m	odern equipment.		
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to prevent exposure:	See Section 6			

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



Page 8 of 17

Trading name:	HISTANOL 70				
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

	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:	lower: 3.3 Vol % upper: 19 Vol %	No information available	
	Flash point:	21 °C	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:	in water completely miscible	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:	~ 0.867 (20°C)	No information available	
	Relative vapour density:	No information available	No information available	
	Particle characteristics:	No information available	No information available	
9.2	Other information			
	Explosive properties: the vapours f	rom ethyl alcohol form an expl	osive mixture with air	

SECTIO	SECTION 10. Stability and reactivity						
10.1	Reactivity:	See Section 10.5.					
10.2	Chemical stability:	Stable within normal temperature and general work conditions.					
10.3	Possibility of hazardous reactions:	See Section 10.5.					
10.4	Conditions to avoid:	Keep away from heat, sparks, open flames, strong heating and ignition sources. No smoking.					
10.5	Incompatible materials:	Strong oxidizing agents (inorganic strong acid, nitric acid, perchlorates, peroxy compounds, perchloric acid, permanganates etc.), alkali metals, alkali earth metals.					
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide.					

SECTION 11. Toxicological information								
11.1 Information	11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008							
Acute toxi	Acute toxicity:							
Route of exposure:    Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>   Exposure time   Resultance					Results			



Page 9 of 17

Trading name:				HISTA	NOL 70			
Product code:	H70-X**		Revision date: 05 Dec 2022				Versi	on: 6
Oral:	_	rat (ethano	n	LD <sub>50</sub>		_	7	.060 mg/kg
Dermal:	-	- rabbit (ethar		LD <sub>50</sub>		_		20.000 mg/l
Inhalation:	-	rat (ethano		LC <sub>50</sub>		4 h		-8.000 mg/l
	1	1	i		:		:	
Specific t	arget organ to	xicity – single ex	cposure (ST	OT SE):				
	S	pecific effects			Target organ	ı	١	Note
Oral:	No informa	tion available		No info	rmation availa	able ·	-	
Dermal:	No informa	tion available		No info	rmation availa	able ·	-	
Inhalation:	No informa	tion available		No info	rmation availa	able ·	-	
Aspiratio	n hazard:		No inform	nation av	vailable.			
<u> </u>		***						
Irritation	and corrosion							
	Ехро	sure time	Specie	es	Evaluation	Method		Note
Skin corrosion/irritation	n: -		-		-	-	-	
Serious eye damage/irritation	-				-	-	-	
Sensitiza	tion							
Skin sensitization:		information av	ailable					
Respiratory sensit		information av						
respirately sensit	110	, morriagon av	unabie.					
Sympton	ns related to th	e physical, chen	nical and to	xicologi	ical characteri	stics		
Oral exposure:	unconsci	on of great ousness and alc may occur. Rep	ohol poiso	ning. In o	case of swallo	wing great o	μantities,	nausea and
Dermal exposure:	After pro		peated exposure symptoms may include: defatting, dryness and					
Inhalation exposu	Inhalation of great quantities may cause dizziness, euphoria and mild irritation of membranes.						of the mucou	
Eye exposure:	May caus	se irritation and	redness.					
Reneated	dose toxicity	(subacute, subcl	hronic chro	onic)				
Repeated	Dose	Exposure time	Specie		Method	Evaluati	on	Note



Page 10 of 17

Trading name:		HISTANOL 70						
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6			

Subacute oral	No information available	available information information inform		No information available	No information available	<b>-</b>
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	information No information	
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	mation No information	
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-
Chronic inhalation	No information available	No information available	-



Page 11 of 17

Trading name:		HISTANOL 70						
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6			

	CMR effects (carcinogenicity; mutagenicity;	; reproductive toxicity)				
	Carcinogenicity:	Based on available data, the classification criteria are not met.				
	Mutagenicity in vitro:	Based on available data, the classification criteria are not met.				
	Genotoxicity:	Based on available data, the classification criteria are not met.				
	Mutagenicity in vivo:	Based on available data, the classification criteria are not met.				
	Germ cell mutagenicity:	Based on available data, the classification criteria are not met.				
	Reproductive toxicity: Based on available data, the classification criteria are not					
	Summary of evaluation of the CM properties:	R Based on available data, the classification criteria are not met.				
11.2	Information on other hazards:					
11.2.1.	Endocrine disrupting properties:					
	Based on available data, does not contain endocrine disruptors.					
11.2.2.	Other information:					
_	-					

SECTION 12. Ecologic	SECTION 12. Ecological information								
12.1 Toxicity	12.1 Toxicity								
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC <sub>50</sub>	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-			
Crustacea:	EC <sub>50</sub>	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-			
Algae/aquatic plants	IC <sub>50</sub>	4 days	algae	No information available	5.000 mg/l / 7d (ethanol)	-			
Other organisms	-	_	-	-	-	_			
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-			



								Page	12 of 17	7
Trading name	:				HIST	ANOL 70				
Product code:	: F	H70-X**		Re	vision date:	05 Dec 20	22	2 Version:		6
Crustacea: EC <sub>50</sub>		48 hours		lo information vailable	No information available	No informavailable	formation _			
Algae/aquatic plants IC <sub>50</sub>		IC <sub>50</sub>	72 hours		lo information vailable	No information available	No infori available		-	
Other organism	าร	-	-	-		-	-		-	
12.2 Persist	tence a	and degrada	bility							
Abioti	c degra	adation								
	De	egradation h	alf-lives		Method	Evaluatio	n		Note	
Marine water	No i	nformation a	available	No ir avail	nformation able	No informatio available	n -			
Fresh water	No information available  No information available  No information available		-							
Air	No information availab		available	No information available		No information available		-		
Soil	No i	nformation a	available	No information available		No information available		-		
Biode	gradati	ion								
% Degradati	on	Time (	days)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Method	Evaluatio	n		Note	
No information available	1	No ir available	formation	No information available		No information available		No information available		
12.3 Bioacc	umula	tive potentia	ıl							
Octan	ol-wate	er partition o	oefficient (	log Ko	ow)					
Value Concentration		centration	рН	°C	Method	Evalu	ation		Note	
Log Pow: ~ 0.32	-		-			-		The product does no bioaccumulate		
Biocor	ncentra	ation factor (	BCF)							
Value		Speci	es		Method	Evaluation		Note		



Trading name:

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

amended by Regulation (EU) No. 2020/878

**HISTANOL 70** 

Page 13 of 17

Produ	Product code: H70-X**		Revision date:			05 D	ec 2022	2		Version:				
BCF: 0.	BCF: 0.66 No informat available		ation No information available		No info	ormation le	n	-						
	Chronic	ecotoxi	city					1						
	Value		Dose		osure ime	Spe	ecies	Meth	nod	Evalu	uation	Note	•	
Chronic toxicity on fish LC <sub>50</sub>		LC <sub>50</sub>	No infor availa	mation	No inforr availa	mation Ible	No inform availab	ation	No inform availat		-			
Chronic toxicity on crustacea ( <i>Daphnia</i> )		EC <sub>50</sub>	No infor availa	mation	No inforr availa	nation Ible	No inform availab	ation	No inform availat		-			
12.4	Mobility	ı in soil												
	Known	or predic	cted distributi	on in e	environme	ntal c	ompart	ments:						
	No info	rmation	available											
	Surface	tension:												
	Valu	е	°C	C	Concentration			Method				Note		
	No informa available	tion i	No nformation available	No information available		on	n No information available		ation -					
	Adsorpt	ion / de	sorption											
Transp	ort	•	coefficient 's constant	lc	og Kow	Εν	/aporati	on rate	N.	1ethod		Note		
Soil-wa	ater	No availab	information le	No ir availa	nformation able		o inform ailable	nation	No inf availal	ormati ole	ion	-		
Water-air		No ir availa	nformation able		o inform ailable	nation	No inf availal	ormati ole	ion	-				
Soil-aiı	r	No availab	information le	No ir availa	nformation able		o inform ailable	nation	No inf availal	ormati ole	ion	-		
12.5			nd vPvB asses					DDT	D. P.	-4				
	pased o	rı avaılal	ble data, the p	produc	t aoes not	cont	ain any	LRI OL A	LAR SRP	stance	?S.			



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

amended by Regulation (EU) No. 2020/878

Trading name: HISTANOL 70

Product code: H70-X\*\* Revision date: 05 Dec 2022 Version: 6

12.6.	Endocrine disrupting prope				
	Based on available data, do	pes not contain endocrine disruptors.			
12.7.	Other adverse effects				
	Do not let the product or it	ts residues reach sewer system, waterways and soil.			
SECTIO	N 13. Disposal consideration	ons			
13.1	Waste treatment method	ls			
	i				
13.1.1.	Product/Packaging dispo	osal:			
	Submit for disposal to th Protection.	e legal person authorized by the Ministry of Environmental and Nature			
12.1.2	W				
13.1.2.		gnations according to Law:			
Packaging that contains residual hazardous substances or is contaminated with hazardou					
13.1.3.	Waste treatment – releva	int information:			
	No information available				
13.1.4.	Sewage disposal – releva	nt information:			
13.1.1.		osed of into the sewage system.			
	waste mast not be dispe	sed of file sewage system.			
13.1.5.	Other disposal recomme	ndations:			
	authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit llectors authorized by the ministry in charge. Unused product residues may be			
13.1.6.	Relevant Community pro	visions:			
	Disposal must be made a	according to official regulations.			
SECTIO	N 14 TRANSPORT INFORM				
	Transporting/shipment by				
UN num		1170			
	per shipping name:	Ethanol solution			
······································	rt hazard class(es):	3			
Packing	group:	ll			



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

Page 15 of 17

Trading name:	HISTANOL 70				
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

Environmentally hazardous:	_
Special precautions for user:	-
Transporting/shipment by rail (R	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (II	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	ll .
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	



Page 16 of 17

Trading name:	HISTANOL 70				
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

15.1	EU regulations	nmental regulations/legislation specific for the substance or mixture
	Authorization and/or rest	victions of uso
	-	rictions of use
	Authorizations:	
	Restrictions:	-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; 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 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2	Chemical safety assessme	ent
	None	

SECTION 16. Other information		
16.1 Indication of changes:	-	



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

Page 17 of 17

Trading name:	HISTANOL 70				
Product code:	H70-X**	Revision date:	05 Dec 2022	Version:	6

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:	Manufacturer's MSDS file.		
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classific	cation	Classification procedure		
_		-		
16.5.	Relevant H statements (num	ber and full text)		
	H: 225	Highly flammable liquid and vapor.		
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
-



Page 1 of 17

Trade name:		NUCLEAR FAST RED (F	(ERNECHTROT) REAGENT	Γ
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

1.1.	Product identifier				
	Trade name:	NUCLEAR I	FAST RED (K	ERNECHTROT) REAGENT	
	Chemical name:	-			
	Catalogue number: KR-OT-X**				
1.2.	Relevant identified us	es of the subs	stance or mi	xture and uses advised against	
	Uses: Uses advised against: Reason why uses advised against:		Counte	erstain in many special staining kits.	
			Only th	ne identified uses are advised.	
			medica	The product is intended for use only as an <i>in vitro</i> diagnostic medical device and there is no reason to use it for other purposes.	
1.3.	Details of the supplier of the safety data sheet				
	Supplier: BioG		ioGnost Ltd.	nost Ltd.	
	Address: Med		1edjugorska	jugorska 59, Zagreb	
	Telephone number: +385		385 1 24099	5 1 2409997	
	Telefax: +385		385 1 24040	5 1 2404039	
	e-mail of competent person: msds		nsds@biogn	s@biognost.hr	
	National contact: -				
1.4.	Emergency telephone number				
	National Protection a	nd Rescue Dir	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regul	Classification according to Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and catego	ry code:	Hazard statement*:		
	Not identified as hazardous subs	tance.	-		
2.1.2.	Additional information				
	-				
* For fu	ll text of Hazard- and EU Hazard-st	tatements: see SEC	TION 16		
2.2.	Label elements				
	Product identification:	NUCLEAR FAST	RED (KERNECHTROT) REAGENT		
	Identification number:	-			
	Authorisation number: -				
	Hazard pictograms:	-			



Page 2 of 17

Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT				
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4	

	Signal word:	-
	Hazard statement:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU)	-
2.3.	Other hazards	
	<b>Endocrine Disrupting Properties:</b>	
	No known endocrine disrupting prop	erties.

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)		
6409-77-4/ 229-088-0/ -	-	≤ 1%	Disodium 1-amino-2,4-dihydroxy-9,10-dihydro-9,10-dioxoanthracene-3-sulphonate	Skin Irr. 2; H315 Eye Irr. 2; H319 STOT SE; H335		

SECTI	SECTION 4. First aid measures				
4.1.	Description of first aid meas	ures			
	General notes:	-			
	Following inhalation:	Remove person to fresh air. If breathing stops, immediately apply artificial respiration. If breathing difficulties occur, use emergency breathing apparatus. If the symptoms persist, immediately consult a physician.			
	Following skin contact:	Remove all contaminated clothes using sterile gauze. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.			
	Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Do not induce vomiting. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.			
	Self-protection of the first aider:	-			
4.2.	Most important symptoms and effects, both acute and delayed				
	Following inhalation:	No information available			
	Following skin contact:	No information available			
	Following eye contact:	No information available			
	Following ingestion:	No information available			



Page 3 of 17

Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT				
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4	

4.3.	Indication of any immediate medical attention and special treatment needed	
	No information available	

SECTION	ECTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:		Water, CO <sub>2</sub> , foam, dry powder		
	Unsuitable extinguishing medi	a:	No information available		
5.2.	Special hazards arising from the substance or mixture				
	Hazardous combustion products:	No information available.			
5.3.	Advice for firefighters				
	Firefighters must always use fireproof suit and self-sustaining breathing apparatus with open circle t contains pressurized air in case of fire in closed space.				
5.4.	Additional information				
	Prevent spills and water used for putting out fire from contaminating waterways by enclosing and covering drains.				

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 protective equipment in accordance with Section 8. Do not get in eyes or on skin. Do not inhale vapor/aerosols. Remove the persons not directly involved in rescuing procedure from the scene of event.			
	Accident prevention methods:	Keep away from heat, flames and sparks.  Secure proper ventilation.  Prevent electrostatic charge buildup.  Use only grounded devices and equipment.  Do not release in drains - explosion hazard.			
	Emergency procedures:	In case of accident secure the location and evacuate the personnel not involved in recovery.			
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 containm	nent and cleaning up			



Page 4 of 17

Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT				
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4	

6.3.1.	Bunding, covering of drains; capping procedures:	Sand bags.			
6.3.2.	Cleaning up:	Where possible, soak up the product using inert matter, such as sand, silica gel, saw dust). 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:	Recovery of contaminated area should only be conducted by qualified person that uses stipulated protective equipment. Prevent the waste water from entering waterways.			
6.4.	Reference to other sections				
	See Section 7 for information about secure handling.				
	See Section 8 for information about personal protective equipment.				
	See Section 13 for info	rmation about containment.			

SECTIO	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protective measures				
	Measures to prevent fire:		Keep away from heat, flames and sparks. Secure proper ventilation.		
	Measures to prevent aerosol and dust generatio	n:	Adequate ventilation of the rooms where the product is kept and handled. Containers must be firmly closed.		
	Measures to protect the environment:		Keep the containers firmly closed in vertical position when the product is not used. Prevent the product from entering waterways, sewerag and drainage systems by using barrage and semi-barrage made of sand, as well as covering the drainage by using plastic foil.		
	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: be firm		, cold and well-ventilated space. Containers must mly closed. Maintain adequate ventilation of the s where the product is kept and handled.		
	Packaging materials: Manu		facturer's original packaging.		
	E RANIII AMANTE TAL CTALANA LANDIE AND VACCAIC		eep away from food and drink. Keep the containers ghtly closed.		



Page 5 of 17

Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT					
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4		

	Advices for storage equipment:	Keep away from heat, flames, sparks and sunlight.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).
7.3.	Specific end use(s)	
	Recommendations:	Secure stations for rinsing eyes and showering in the vicinity of work area.
	Industrial sector specific solutions:	-

	8. Exposure		ols/persona	l protec	tion			
8.1.	Control para	meters			ı			
					Occupational exposure limit			
	Substance		CAS No		values/shoi	rt term values	Bio	ological limit values
					ppm	mg/m³		
-					-	-		-
Substance	e							
EC No:	-		CAS No:	-				
DNEL								
					Industrial			
Act		Acu	Acute effect Ac		cute effect	Chronic e	effect	Chronic effect
Route of exposure:		local s		systemic	local		systemic	
Oral -		-		-		-		-
Inhalation	ı	-	-			-		-
Dermal		1		-		-		-
Critical ph	nysical paran	neters: s	olubility, fla	mmabilit	ty, corrosivity:			
					Consumer			
Douts of		Acu	te effect	Ad	cute effect	Chronic e	effect	Chronic effect
Route of	exposure:		local	ocal sy		local		systemic
Oral		1		-		-		-
Inhalation	Inhalation			-		-		
Dermal		-		-		-		-
PNEC								
Environm	ental protec	tion targ	get		PNEC			
Fresh water					No information available			



Page 6 of 17

Trade name:		NUCLEAR FAST RED (KERNECHTROT) REAGENT					
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4			

	Substance/mixture related measures to prevent exposure:	See Sec	ction 6		
8.2.3.	Environmental exposure controls				
8.2.2.4.	Thermal hazards:	No info	rmation available		
8.2.2.3.	Respiratory protection:	Suitable mask or half mask equipped with a combined "A-P" fi and used when concentration levels exceed GVI.			
	Other skin protection:		r antistatic clothing made of natural fibers (such as cotton) long sleeves (EN 13034), and shoes that cover the entire foot 10335).		
			Break through time: >480 min		
	Hand protection:		Glove material: nitrile rubber Glove thickness: ≥0.50 mm		
			tective gloves must be according to the EU Directive 6/425/EEC and standard EN 374.		
8.2.2.2.	Skin protection	Duct- 11	in a large and has a consider that the FILDiversities		
			ace in case of higher levels of concentration in air.		
8.2.2.1.	Eye and face protection:		glasses that stick to face (EN 166) or visor in case of lower f concentration in air; protective gas mask that covers the		
8.2.2.	Personal protection equipment				
	Technical measures to prevent exposure:		proper workspace ventilation in order to keep tration levels in air below permitted levels.		
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.			
	Structural measures to prevent exposure:	In acco	cordance with Section 7.		
	Substance/mixture related measures to prevent exposure during identified uses:		product in well ventilated rooms. Use personal protective ent. Do not eat, drink or smoke in the workspace.		
8.2.1.	Appropriate engineering controls	S			
8.2.	Exposure controls				
Air	altaraly		No information available		
Soil (agric	<del>-</del>		No information available		
Food chair	n anisms in sewage treatment		No information available  No information available		
Marine se			No information available		
			No information available		
Freshwater sediments  Marine water			No information available		



Page 7 of 17

Trade name:		NUCLEAR FAST RED (KERNECHTROT) REAGENT					
Product code:	KR-OT-X**	Date of compilation:	14 November 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 ar	nd chemical properties	
	Value	Method
Physical state:	liquid	No information available
Colour:	red	No information available
Odour/odour threshold:	No information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
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	N 10.: Stability and reactivity	
10.1.	Reactivity:	See subsections 10.3 through 10.5.



Page 8 of 17

Trade name:		NUCLEAR FAST RED (KERNECHTROT) REAGENT					
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4			

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.

11.1. Information	n on toxicological effe	cts					
Acute toxic	ity:						
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposu	e time	Results	
Oral:	No information available	_	No information available	No infor avail		_	
Dermal:	No information available	_	No information available	No infor		_	
Inhalation:	No information available	_	No information available	No information available		_	
Specific tar	get organ toxicity – si				1		
	Specific effects			Target organ		Note	
Oral:	No information avail	able	No information a	No information available -			
Dermal:	No information avail	able	No information a	No information available -			
Inhalation:	No information avail	able	No information a	No information available -			
Aspiration	hazard:	-					
Irritation ar	nd corrosion						
	Exposure tim	ne Sp	pecies Evaluatio	n Me	ethod	Note	
Skin corrosion/irritation:	-	-	-	-		No information available	
Serious eye damage/irritation	-	-	-	-		No information available	



Page 9 of 17

Trade name:		<b>NUCLEAR FAST RED (KERNECHTROT) REAGENT</b>					
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4			

Sensitiz	ation						
Dermal exposure	: No informatio	No information available					
Inhalation exposure:	No informatio	No information available					
Sympto	ms related to the p	ohysical, chemic	cal and toxicolog	jical characterist	ics		
Oral exposure:	No informatio	n available					
Dermal exposure	: No informatio	n available					
Inhalation exposure:	No informatio	n available					
Eye exposure:	No informatio	n 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	-	



Page 10 of 17

Trade r	name:			NUCLEAR	FAST	RED (K	ERNECHTROT	) REAGEN	Т	
Produc	t code:	KR-OT-X** Date of comp		oilation	lation: 14 November 2022			Version:	4	
Chronic	Chronic No information		No No information available available			No No information available available		on -		
	Specific	target or	gan toxic	ity – repeated ex	xposure	STOT R	RF):			
	- P	Specific effects					Target orga	n	No	te
Subacu	· · · · · · · · · · · · · · · · · · ·			9	No inf	ormation availa		_		
Subacut	te dermal		No infor	mation available	9	No inf	ormation availa	ble	-	
Subacut	te inhalati	on	No infor	mation available	2	No inf	ormation availa	ble	-	
Subchro	hronic oral No information available			9	No inf	ormation availa	ble	-		
Subchro	bchronic dermal No information available			9	No information available			-		
Subchronic inhalation No information available				)	No inf	ormation availa	ble	_		
Chronic oral No information available				2	No inf	ormation availa	ble	-		
Chronic dermal No information available				2	No inf	ormation availa	ble	-		
Chronic	inhalatio	n	No infor	mation available	9	No inf	ormation availa	ble	-	
	1									
			inogenici	ty; mutagenicity	1					
	Carcino				No information available					
		nicity <i>in-v</i>	vitro:		No information available					
	Genoto				No information available					
	<u> </u>	nicity <i>in-v</i>			No information available					
	÷	ell mutage			No information available					
	Reprodu	uctive toxi	icity:		No in	formatio	n available			
	Summar properti	•	raluation	of the CMR	No in	formatio	n available			
	i									
11.2.		tion on of								
11.2.1.		ne disrupt								
		wn endoc ect humar		pting properties	S					

SECTION 12. General notes:	SE	CTK	ON 1	12. (	Seneral	notes
----------------------------	----	-----	------	-------	---------	-------

11.2.2. Other information:

12.1. Toxicity



Page 11 of 17

Trade name:		NUCLEAR FAST RED (	(ERNECHTROT) REAGENT	Γ
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

Acute (short-terr toxicity	n) Do:	se Expo tim		Species	Method	Eval	uation	No	ote
Fish	LC <sub>50</sub>	96 ho	urs	No information available	-	No inforr available	mation	-	
Crustacea:	EC <sub>50</sub>	48 ho	urs	No information available	-	No inforr available	mation	-	
Algae/aquatic pl	ants IC <sub>50</sub>	72 ho	urs	No information available	-	No inforr available	nation	_	
Other organisms	-	-		_	-	-		_	
Chronic (long-te toxicity	rm) Do:	se Expo		Species	Method	Eval	uation	N	ote
Fish	LC <sub>50</sub>	96 ho	urs	No information available	-	No inforr available	mation	-	
Crustacea:	EC <sub>50</sub>	48 ho	urs	No information available	-	No inforr available	mation	-	
Algae/aquatic pl	ants IC <sub>50</sub>	72 ho	urs	No information available	-	No inforr available	mation	-	
Other organisms	-	-		-	_	-		-	
	nce and degradation	·	****			***		****	
	Degrada	tion half-lives	S	Method		E۱	/aluation		Note
Marine water		tion available		No information available		No information availab			-
Fresh water		tion available		No information av		No information available			-
Air		tion available		No information available		No information available			-
Soil	No informat	tion available	۱ ا	No information av	No information available -		-		
Biodegr	adation								
% Degradation		(days)		Method	Eva	luation	No	ote	
No information available	No i available	information	No in	formation availab	le No i	nformation lle	No informat	ion av	ailable
	mulative pot -water partit								
			. /1						



Trade name:

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

**NUCLEAR FAST RED (KERNECHTROT) REAGENT** 

Page 12 of 17

Produc	t code	:	KR-OT-X**	Date of	f compila	ition:	14	Nove	mber 20	22	Versio	n: 4
No informa availabl		No i availa	nformation able	-	_	lo in vailab	formation le	No availa	informable	ation	No available	information
	Bioco	ncentr	ation factor (B	CF)								
V	alue		Specie	S	M	lethoo	l	Eva	luation		N	ote
No info availabl	information No information		1	No infor			No information			No informa available	tion	
	Chror	nic eco	toxicity									
	Valu			<b>3</b> :	Exposure time		Species	s Method		Evaluation		Note
Chronic	toxicit	y on fis	sh LC <sub>50</sub>	1	information		rmation lable	No informavaila	mation able		ormation ilable	-
	hronic toxicity on EC <sub>50</sub> in		i i	No No informat available available			n information inf			ormation ilable	-	
			·							·		
12.4.	Mobi	ity in s	oil									
	Know	n or pr	edicted distrib	oution in e	environme	ental c	ompartme	ents:				
	No in	format	ion available									
		ce tens					T			1		
		alue	°C	С	oncentrat	ion	1	Method			Not	e
	No inforr availa	nation ble	No information available	า :			No inforr available	nformation		-		
	Adso	ption ,	/ desorption									
Transpo		A/[	O coefficient ary's constant	lo	og Kow	Εν	/aporation	rate	Metl	hod		Note



Page 13 of 17

Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT					
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4		

Soil-wat	ter No information available	No information available	No information available	No information available	-		
Water-a	ir No information available	No information available	No information available	No information available	-		
Soil-air	No information available	No information available	No information available	No information available	-		
12.5	Describe of DDT and DDD are						
12.5.	Results of PBT and vPvB ass  No information available	essment					
	NO IIIIOIIIIatioii avaliable						
12.6.	Endocrine disrupting prope	rties					
	No known endocrine disrup	ting properties that	affect the environm	nent.			
12.7.	Other adverse effects						
	No information available						
	N 13. Disposal consideration						
13.1.	Waste treatment methods	5					
13.1.1.	Product/Packaging dispos	sal:					
	Submit for disposal to the Protection.	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature					
13.1.2.	Waste codes/waste design	nations according to	o Low.				
13.1.2.	Waste codes/waste designations according to Low:  15 01 10*: packaging that contains residual hazardous substances or is contaminated with hazardous substances						
13.1.3.	Waste treatment – releva	nt information:					
	No information available						
	Sewage disposal – relevar	nt information:					
13 1 4	Sewage disposal – relevant information:						
13.1.4.	Waste must not be dispos	sed of into the sewa	ge system				
13.1.4.	Waste must not be dispos	sed of into the sewa	ge system.				



Page 14 of 17

Trade name:		NUCLEAR FAST RED	(KERNECHTROT) REAGE	NT
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

	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:				
		ment Act, Ordinance on Waste Management, Regulation on categories, types with waste catalog and list of hazardous waste			
SECTIO	N 14. Transport information				
	Transporting/shipment by roa	ad (ADR)			
UN num	ber:	Not subject to transport regulations			
UN prop	per shipping name:	-			
Transpo	rt hazard class(es):	-			
Packing	group:	-			
Environr	mental hazards:	-			
Special precautions for user:		-			
	Transporting/shipment by rail	(RID)			
UN num	ıber:	Not subject to transport regulations			
UN prop	per shipping name:	-			
Transpo	rt hazard class(es):	-			
Packing	group:	-			
Environr	mental hazards:	-			
Special <sub>I</sub>	orecautions for user:	-			
	Transporting/shipment by inla	and waterways (ADN)			
UN num	lber:	Not subject to transport regulations			
UN prop	per shipping name:	-			
Transpo	rt hazard class(es):	-			
Packing	group:	-			
Environr	mental hazards:	-			
Special	orecautions for user:	-			
	Transporting/shipment by sea	a (IMDG)			
UN num	ıber:	Not subject to transport regulations			
UN prop	per shipping name:	-			
Transpo	rt hazard class(es):	-			
Packing	group:	-			
Environr	mental hazards:	Not subject to transport regulations			



Page 15 of 17

Trade name:		NUCLEAR FAST RED (F	(ERNECHTROT) REAGEN	Γ
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

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:	-
Environmental hazards:	-
Special precautions for user:	-
Further information: -	

15.1.	Safety, health and environ	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	EU regulations					
	Authorisations and/or restrictions of use					
	Authorisations:	-				
	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 793/9 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2000 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 10 December 2008 on classification, labelling and packaging of substances and mixtures amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);				



Page 16 of 17

Trade name:		Γ		
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

	National regulation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Transport of Hazardous Substances Act
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 paroute (European Agreement Concerning the International Carriage of Dangerou Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:	-		
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classifi	ication	Classification procedure		
-		-		
16.5.	Relevant H statements (num	ber and full text)		
	H315	Causes skin irritation.		
	H: H319	Causes serious eye irritation.		
	H335	May cause respiratory irritation.		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings 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 17 of 17

Trade name:		Γ		
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

-			



Page 1 of 17

Trading name:	OXALIC ACID, 1% SOLUTION				
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

SECTI	ION 1: Identification of	the substance	e/mixture	e and of the company/undertaking	
1.1	Product identifier				
	Trading name:	OXALIC AC	ID, 1% SO	LUTION	
	Chemical name:	-	- OKS1-OT-X**		
	Catalogue number:	OKS1-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 advi	sed against:	The product is intended for use only as an <i>in vitro</i> diagn device, registered at the Agency for Medicinal Products  Devices and there is no reason to use it for other purpor		
1.3	Details of the supplier	ne supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1	+385 1 2409997	
	Telefax.:		+385 1	2404039	
	e-mail of competent p	person:	msds@b	piognost.hr	
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection ar	nd Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to F	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and cat	egory code:	Hazard statements*:			
	Not identified as hazardous substance					
2.1.2.	Additional information					
	-					
*For fu	ıll text of Hazard- and EU Haza	rd-statements: see S	SECTION 16			
2.2	Label elements					
	Product identification:	OXALIC ACID, 1	% SOLUTION			
	Identification number: -					
	Authorization number:	Authorization number: -				
	Hazard pictograms:	-				



Page 2 of 17

Trading name:					
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Signal word:	-
	Hazard statements:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	<b>Endocrine Disrupting Prope</b>	rties:
	No known endocrine disruptir	ng properties
	<b>Results of PBT and vPvB ass</b> PBT or a vPvB.	<b>essment</b> : According to the results of its assessment, this substance is not a

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	ION 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				
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.				



Page 3 of 17

Trading name:		OXALIC ACID, 1% SOLUTION							
Product code:	OKS1-OT-X**	Date of compilation:	21 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	ion of any immediate medical attention and special treatment needed			
	-				

SECTI	ON 5. Firefighting measures							
5.1	Extinguishing media	Extinguishing media						
	Suitable extinguishing media: water spray, dry powder, CO <sub>2</sub> or alcohol resistant foam							
	Unsuitable extinguishing media: Water with full jet							
5.2	Special hazards arising from the substance or mixture							
	Hazardous combustion products:	Hazardous combustion products: no information available						
5.3	Advice for firefighters							
	Use a self-contained open-circuit o	compressed air breathing apparatus and fireproof clothing.						
5.4	Additional information							
	Cool endangered receptacles with contaminate the environment with	water spray. Collect contaminated fire fighting water separately. Do not extinguishing media.						

SECTIO	ON 6. Accidental release meas	ures						
6.1	Personal precautions, protective equipment and emergency procedures							
6.1.1.	For non-emergency personnel	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 memb without protective equipment. Avoid breathing vapors and avoid cont with skin and eyes. Do not smoke. Keep away from ignition sources.							
	Emergency procedures: Mark the area using proper signs.							
6.1.2.	For emergency responders:	For emergency responders:						
	Use protective equipment; in c (see Section 8).	ase of inadequate ventilation use adequate airways protective equipment						
6.2	Environmental precautions:							
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.							
6.3	Methods and material for containment and cleaning up							
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.						



Page 4 of 17

Trading name:	OXALIC ACID, 1% SOLUTION							
Product code:	OKS1-OT-X**	DKS1-OT-X** Date of compilation: 21 Dec 2022 Versio						

6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.					
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).					
6.4	Reference to other sections						
	See Section 7 for information on safe handling.						
	See Section 8 for information on personal protection equipment.						
	See Section 13 for disposal in	formation.					

SECTIO	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 incon	npatibilities				
	Technical measures and storage conditions:	well ventil	htly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.			
	Packaging materials:	Manufactu	ırer's original packaging.			
	Requirements for storage rooms and vessels:  Keep away from food and drink. Keep the container tightly closed.					
	Advices for storage equipment:	must be re	e must be made of hard material; floors esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper			



Page 5 of 17

Trading name:	OXALIC ACID, 1% SOLUTION						
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

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

1	'								
SECTION 8. Expos	ure contr	ols/perso	nal pr	otect	tion				
8.1 Control pa									
Substance					ccupational exposure limit values/short term values			Biological limit values	
					p	pm	mg/m³		
-			-			-	-	-	
Substance name:	-								
EC No:	-	CAS No	:	-					
DNEL									
					Indu	ustrial			
Route of Acu		ute	e Acute		e	Chronic			Chronic
exposure:	effect	local	effect systemic		temic		effect local		effect systemic
Oral	-		-	-		-			-
Inhalation	-		-			-			-
Dermal	-		-			-			-
Critical physical pa	rameters: s	solubility,	flamm	abilit	y, corro	osivity:	-		
					Cons	sumer			
Route of	A	cute		Acut	:e			Chronic	
exposure:	effec	ct local	effe	ct sys	stemic		effect local		effect systemic
Oral	-		-			-			-
Inhalation	-		-			_			-
Dermal			-						-
PNEC									
Environmental protection target			F	PNEC					
Fresh water					r	no information available			
Freshwater sediments					r	no information available			
Marine water					r	no information available			
Marine sediments				r	no information available				



Food chain

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

Page 6 of 17

Trading name:		OXALIC ACID, 1% SOLUTION							
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4				

no information available

1000 01101	···		The information available		
Microorga	anisms in sewage treatment		no information available		
Soil (agric	cultural)		no information available		
Air			no information available		
8.2	Exposure controls				
8.2.1.	Appropriate engineering controls	s			
	Substance/mixture related measure prevent exposure during identified		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent ex	Secure proper workspace ventilation in order to keep exposure: concentration levels in air below permitted levels. Secu 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	<u>i</u>			
	Hand protection:		otective gloves have to satisfy the specification of ation (EU) 2016/425 and the related standard EN 374.  Glove material: nitrile rubber  Glove thickness: 0.40 mm  Time until perforation: > 480 min		
	Other skin protection:	During everyday work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover th entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemica (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 GV			
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.3.	Environmental exposure controls	,			
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		



Page 7 of 17

Trading name:		OXALIC ACID, 1% SOLUTION						
Product code:	OKS1-OT-X**	Date of compilation:	21 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 basi	c physical and o	chemical properties	
		Value	Method
Physical state:		liquid	No information available
Colour:		purple brown	No information available
Odour/odour thresh	nold:	characteristic/no information available	No information available
Melting point / free	zing point:	No information available	No information available
Boiling point or initi	-	No information available	No information available
Flammability:		No information available	No information available
Lower and upper ex	plosion limit:	No information available	No information available
Flash point:		No information available	No information available
Auto-ignition tempe	erature:	No information available	No information available
Decomposition tem	perature:	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 octanol/water (log v		No information available	No information available
Vapour pressure:		No information available	No information available
Density and/or relat	ive density:	No information available	No information available
Relative vapour den	sity:	No information available	No information available
Particle characterist	ics:	No information available	No information available
Other information			

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



Page 8 of 17

Trading name:	OXALIC ACID, 1% SOLUTION					
Product code:	OKS1-OT-X**	Date of compilation:	21 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 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

	oxicological informat						
	ation on hazard classes	as defined in	n Regulati	on (EC) No 1272/20	800		
Acute 1	toxicity:	:			1		
Route of exposure:	Method	Species	Effect	ive Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure	time	Results
Oral:	No information available	-	No info	ormation available	-		-
Dermal:	No information available	_	No info	ormation available	-		_
Inhalation:	No information available	_	No information available -		-		-
:							
Specifi	c target organ toxicity -	- single expo	sure (STO	T SE):			
	Specific	effects		Target organ		Note	
Oral:	No information a	vailable	No information available		able	-	
Dermal:	No information a	vailable	No information available -			-	
Inhalation:	No information a	vailable	No information available -				
Aspirat	tion hazard:	No	o informa	tion available.			
<u> </u>		<u> </u>					
Irritatio	on and corrosion						
	Exposure	time	Species	Evaluation	Method		Note
Skin corrosion/irritat	ion:	-		-	<b>–</b>	-	
Serious eye damage/irritatio	on -	-		-	-	-	
C							
Sensiti			- 1- 1 -				
Skin sensitizatio		mation availa					
Respiratory sens	sitization: No infor	mation availa	able.				



Page 9 of 17

Trading name:	OXALIC ACID, 1% SOLUTION						
Product code:	OKS1-OT-X**	Date of compilation:	21 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	e: No informa	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	<b>–</b>
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	<b>-</b>
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	_



Page 10 of 17

Trading name:		OXALIC ACID, 1% SOLUTION						
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4			

Subacute oral	No information available		No information available	-			
Subacute dermal	No information available		No information available	-			
Subacute inhalation No information available			No information available	-			
Subchronic oral No information available			No information available	-			
Subchronic dermal	No information available		No information available	-			
Subchronic inhalation	No information available		No information available	-			
Chronic oral	No information available		No information available	-			
Chronic dermal	No information available		No information available	_			
Chronic inhalation	No information available		No information available	-			
CMR effects (d	carcinogenicity; mutagenicity	y; repr	oductive toxicity)				
Carcinogenici	ty:	Based	d on available data, the classification cr	riteria are not met.			
Mutagenicity	in vitro:	Based on available data, the classification criteria are not met.					
Genotoxicity:	Genotoxicity:		Based on available data, the classification criteria are not met.				
Mutagenicity	in vivo:	Based on available data, the classification criteria are not met.					
Germ cell mut	tagenicity:	Based on available data, the classification criteria are not met.					
Reproductive	toxicity:	Based on available data, the classification criteria are not met.					
Summary of properties:	evaluation of the CN		based on available data, the classificannet.	tion criteria are not			
:							
11.2 Information o	n other hazards:						
11.2.1. Endocrine disi	rupting properties:						
components of disrupting pro Article 57(f) regulation (EU	ce/mixture does not contactonsidered to have endocricoperties according to REACTORY OF Commission Delegated in 2017/2100 or Commission Delegated in 2018/605 at levels of 0.1%	ne CH ed on					
11.2.2. Other informa	ation:						
-							

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



Page 11 of 17

Trading name:		OXALIC ACID, 1% SOLUTION					
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	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 <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Fish Crustacea:	LC <sub>50</sub>	96 hours 48 hours		information	information	-
			available  No information	information available No information	information available No information	-

Abiotic degradation

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

			ion

= 10 0.0 9.0 0.0	****			
% Degradation	Time (days)	Method	Evaluation	Note
No information available				



										Page	12 of 17	
Trading	g name:				0	XALIC AC	ID,	1% SOLUTIO	N	······································		
Produc	ct code:	OKS1	-OT-X**	:	Date	of compi	latio	on: 21 De	c 2022		Version:	4
12.3	Bioaccum	ulative p	otential									
	Octanol-w	ater par	tition co	efficient (	log Kow	)						
Valu	e Co	ncentrat	ion	рН	°C	Metho	d	Evalu	ation		Note	
-	-		-	-	-	_		-		-		
	Bioconcen	tration f	actor (Bo	CF)								
V	'alue		Species	5	N	Method		Evaluati	on		Note	
No info	rmation	No	info	rmation	No info	ormation		No informati	on			
availabl	le	availab	le		availab	le		available		-		
	Chronic ed	cotoxicit	у			-						
	Value		Dose		osure ime	Species		Method	Evalua	ation	Note	e
					ime	NI-		NIa	N			
Chronic	toxicity on	fish	LC <sub>50</sub>	No infor	mation	No informati	on	No information	No informa	ation	_	
			- 50	avail		available		available	availab			
Chronic	toxicity on			No		No		No	No			
	ea ( <i>Daphnia</i>	·)	EC <sub>50</sub>		mation	informati	on	information	informa		-	
				avail	abie	available		available	availab	ie		
12.4	NA = le 11th . 1	: !										
12.4	Mobility in		1 1									
				oution in e	environm	nental comp	oartı	ments:				
	No inform		allable									
	Surface te	nsion:										
	Value		°C	С	oncentra	ntion		Method			Note	
	No informatio available		ormatior ailable	<b>1</b>	informa iilable		info ailab	ormation ble	-			
		<del>-</del>		<del>i</del>		<del>-</del>			<u>+</u>			



Page 13 of 17

Trading name:		OXALIC ACID, 1% SOLUTION					
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

-	A /D coefficient				
Transport	A/D coefficient t Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-wate	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	-
	Results of PBT and vPvB asses				
ć	The substance/mixture does i according to REACH Article 5 Regulation (EU) 2018/605 at I	7(f) or Commission	n Delegated regulation (		
12.6. I	Endocrine disrupting properti	ies			
6	The substance/mixture does i according to REACH Article 5 Regulation (EU) 2018/605 at I	7(f) or Commission	n Delegated regulation (		
12.7	Other adverse effects				
	No further relevant information	on available.			
SECTION	I 13. Disposal consideration	S			
13.1	Waste treatment methods				
13.1.1.	Product/Packaging disposa	l:			
	Submit for disposal to the learning Protection.	egal person autho	rized by the Ministry of	Environmental a	and Nature
13.1.2.	Waste codes/waste designa	ations according to	) Law:		
	15 01 10*: Packaging that c substances	ontains residual ha	azardous substances or	is contaminated	l with hazardous
13.1.3.	Waste treatment – relevant	information:			



Page 14 of 17

Trading name:		OXALIC ACID, 1% SOLUTION						
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4			

	No information available				
13.1.4.	Sewage disposal – relevan	nt information:			
		osed of into the sewage system.			
	· · · · · · · · · · · · · · · · · · ·	are considered and co			
13.1.5.	Other disposal recommen	dations:			
	authorized by the ministry	duct's remains into the sewage system. Submit the remains to the collectors <i>y</i> in charge. Do not dispose of the packaging into the sewage system. Submit ectors authorized by the ministry in charge.			
13.1.6.	.1.6. Relevant Community provisions:				
	Disposal must be made ac	ccording to official regulations.			
SECTIO	N 14. Transport information	n			
	Transporting/shipment by re	oad (ADR)			
UN num	ber:	Not subject to transport regulations			
UN proper shipping name:		-			
Transport hazard class(es):		-			
Packing	group:	-			
Environ	mentally hazardous:	-			
Special	orecautions for user:	-			
	Transporting/shipment by ra	ail (RID)			
UN num	ber:	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	ıber:	Not subject to transport regulations			
UN prop	per shipping name:	-			
Transpo	rt hazard class(es):	-			
Packing	group:	-			
Environi	mentally hazardous:	-			
Special	orecautions for user:	-			
	Transporting/shipment by s	ea (IMDG)			
UN num	nber:	Not subject to transport regulations			



Page 15 of 17

Trading name:		OXALIC ACID, 1% SOLUTION					
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-			
Transporting/shipment by air (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: -				

SECTI	TION 15. Regulatory information					
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations	EU regulations				
	Authorization and/or rest	trictions of use				
	Authorizations:	-				
	Restrictions:	-				
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);				



Page 16 of 17

Trading name:	OXALIC ACID, 1% SOLUTION				
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	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 assessmen	t		
	None			

SECTIO	SECTION 16. Other information				
16.1	Indication of changes:	-			
16.2	Abbreviations and acronyms	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals  EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:				
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 (num	ber and full text)			
	H: 315 319 335	Causes skin irritation Causes serious eye irritation. 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.			



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

Page 17 of 17

Trading name:	OXALIC ACID, 1% SOLUTION				
Product code:	OKS1-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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

SECTIO	ECTION 2. Hazards identification			
2.1	Classification of the substance or mixture			
2.1.1	Classification according to Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and catego	ory code:	Hazard statements*:	
	Flam. Liq. 2		H225	
	Carc. 1B		H350	
2.1.2.	Additional information			
	-			
*For ful	ll text of Hazard- and EU Hazard-	statements: see S	ECTION 16	
2.2	Label elements			
	Product identification: PARALDEHYDE FUCHSIN REAGENT			
	Identification number: -			
	Authorization number:	-		



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

Page 2 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Hazard pictograms:	GHS02 GHS08	
	Signal word:	Danger	
	Hazard statements:	H225 Highly flammable liquid and vapour. H350 May cause cancer.	
	Precautionary statements:	P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P308+P313 If exposed or concerned: Get medical advice/attention.	
	Supplemetal hazard information (EU):	-	
2.3	Other hazards		
	Endocrine Disrupting Proper	rties:	
	No known endocrine disruptir	ng properties	
	<b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is not a PBT or a vPvB.  (Direct Red 28 C.I.) Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH).		

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)
64-17-5/ 200-578-6/ 603-002-00-5	01- 2119457610- 43-xxxx	60 - 80 %	ethanol	Flam. Liq. 2; H225
569-61-9/ 209-321-2/ 611-031-00-X	-	0.5 %	4,4'-(4-iminocyclohexa-2,5-dienylidenemethylene) dianiline hydrochloride	Carc. 1B; H350

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.



Page 3 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.	
	Self-protection of the first aider:	-	
4.2	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.	
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.	
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.	
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.	

SECTION 5. Firefighting measures			
5.1	Extinguishing media		
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub> Large fire - water spray or alcohol-resistant foam	
	Unsuitable extinguishing media:	No information available	
5.2	Special hazards arising from the substance or mixture		
	Hazardous combustion products:	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		
	Do not contaminate the environment with extinguishing media.		

#### **SECTION 6. Accidental release measures**



Page 4 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT					
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4	

6.1	Personal precautions, protective equipment and emergency procedures					
6.1.1.	For non-emergency personnel					
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.				
	Emergency procedures:	Mark the area using proper signs.				
6.1.2.	For emergency responders:					
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).					
6.2	Environmental precautions:					
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.					
6.3	Methods and material for containment and cleaning up					
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.				
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.				
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).				
6.4	Reference to other sections					
	-					

SECTIO	SECTION 7. Handling and storage					
7.1	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:  Use in well ventilated storage rooms.					
	Measures to prevent aerosol and dust generation: Secure proper ventilation.					
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.				
	Other measures:	-				
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.					
7.2	Conditions for safe storage, including any incompatibilities					



### SAFETY DATA SHEET ling to Regulation (EC) No. 1907/

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

Page 5 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT					
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4	

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

SECTION 8. Exposure controls/personal protection								
8.1 Control pa	rameters							
Substance		CAS No		•	Occupational exposure limit values/short term values		E	Biological limit values
				ppm		mg/m³		
Ethanol		64-17-	5	1000/-		1900/-		-
Substance name:	-							
EC No:	-	CAS No:	-					
DNEL								
				Industrial				
Route of	А	cute		Acute		Chronic		Chronic
exposure:	effe	ct local	effec	ct systemic		effect loca	l	effect systemic
Oral	-		-		-			-
Inhalation	1900 mg. (ethanol)		-		1			380 mg/m³ (ethanol)
Dermal			-		-			343 mg/kg (ethanol)
Critical physical parameters: solubility, flammability, corrosivity:								
Consumer								



Acute

**Route of** 

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

Chronic

Page 6 of 17

Chronic

Trading name:	PARALDEHYDE FUCHSIN REAGENT					
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4	

Acute

exposure:		effect local	effect sys	temic	effect local	effect systemic
Oral		-	-		-	87 mg/kg bw/day (ethanol)
Inhalation		950 mg/m³ (ethanol)	-		-	114 mg/m³ (ethanol)
Dermal		-	-		-	206 mg/kg (ethanol)
PNEC						
Environme	ntal prot	ection target		PNEC		
Fresh wate	Fresh water				g/l (ethanol)	
Freshwate	r sedimer	nts		3.6 mg	/kg (ethanol)	
Marine wa	ter			0.79 m	g/l (ethanol)	
Marine sed	diments			2.9 mg	/kg (ethanol)	
Food chair	า			380-72	0 mg/kg (ethanol)	
Microorga	nisms in	sewage treatment		580 mg	g/l (ethanol)	
Soil (agricu	ultural)			0.63 m	g/kg (ethanol)	
Air				No info	ormation available	
	i					
8.2	Exposi	ure controls				
8.2.1.	Appro	priate engineering cor	ntrols	i		
		ince/mixture related m nt exposure during ide		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structı exposı	ural measures to preve ure:	ent	In accordance with Section 7.		
	Organ exposi	isational measures to ure:	prevent	Organization of work in order to reduce other worker's influence during work process.		
	Techni	cal measures to preve	nt 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.	Persor	nal protection equipme	ent			
8.2.2.1.	Eye an	d face protection:	levels	of conce		o) or visor in case of lower e gas mask that covers the encentration in air.
8.2.2.2.	Skin pı	rotection	ii.			
	Hand <sub>I</sub>	orotection:	Protec	tive nitri	le gloves, 0.11 mm thick	(EN 374).
		skin protection:		antistatic clothing made of natural fibers (such as cotton) ong sleeves (EN 340) and shoes that cover the entire foot.		



Page 7 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

8.2.2.3.	Respiratory protection:	Suitable mask (EN 136) or half mask (EN 140) equipped with a combined "A1 + Form" filter (EN 143) used when concentration levels exceed GVI.
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

Information on basic physical and o	chemical properties	
	Value	Method
Physical state:	liquid	No information available
Colour:	violet	No information available
Odour/odour threshold:	ethanol like/no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lower and upper explosion limit:	No information available	No information available
Flash point:	21 °C	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
pH:	No information available	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density:	No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available



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

Page 8 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT					
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4	

9.2	Other information
	_

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

SECTION 11. To	oxicological information	on					
11.1 Informa	ation on toxicological e	ffects					
Acute t	oxicity:						
Route of exposure:	Method	Species	Dose LD <sub>50</sub> ATE <sub>1</sub>		Exposure	time	Results
Oral:	No information available	rat	No informa available	ition	_		7.060 mg/kg (ethanol)
Dermal:	No information available	rabbit	No informa available	ition	_		>20.000 mg/kg (ethanol)
Inhalation:	No information available	rat	No information - available		_		>8.000 mg/l (ethanol)
Specific	c target organ toxicity –	single expos	sure (STOT SE	):		:	
	Specific	effects		Target or	gan		Note
Oral:	No information av	ailable	No information available -		-		
Dermal:	No information av	ailable	No information available -			-	
Inhalation:	No information av	ailable	No information available -				
Aspirat	ion hazard:	No	information	available.			
Irritatio	n and corrosion						
	Exposure t	ime	Species	Evaluatio	n Met	hod	Note



dermal

available

information

available

information

available

information

available

information

available

### SAFETY DATA SHEET

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

Page 9 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT						
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

Product code:	PAF-OT-X**	[	Date of compile	ation: 21	Dec 2022	Version:
	1	:		:		:
Skin corrosion/irritatio		nformation	No information available	No information available	No informatio available	n -
Serious eye damage/irritation		nformation	No information available	No information available	No informatio available	n _
Sensitiz	ation					
Skin sensitizatior	n: No in	formation av	ailable			
Respiratory sensi	tization: No in	formation av	ailable			
	· ·					
Sympto	ms related to the p	hysical, chem	nical and toxicol	ogical characte	ristics	
: • • •	It may lead	to occurrence	e of strong sensa	ation of stingin	g, headache, vert	igo, intoxication
Oral exposure:	and loss of	consciousnes	s after exposure	to higher leve	ls of concentratio	
			ay occur (such a	s vomiting).		
Dermal exposure						
Inhalation expos	Bronchocon	ertigo, intoxi	ossible. Possible	symptoms incl	stinging sensation lude CNS sympto ss after exposure	ms such as
Eye exposure:	Splatter may lesions.	y cause disco	mfort, stinging s	ensation, conj	unctival redness,	corneal surface
Repeate	ed dose toxicity (su	hacute subch	aronic chronic)			
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No n information available	No informatio available	No n information available	-
Subacute dermal			No n information available	No informatio available	No n information available	-
Subacute inhalation	No information available	No information available	No n information available	No informatio available	No n information available	-
Subchronic oral	No information available	No information available	No n information available	No informatio available	No n information available	-
Subchronic	No information	No	No	No	No	



Page 10 of 17

Trading name:		SIN REAGENT	<u> </u>		
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Subchronic inhalation	No i availa	nformation ble	information	No information available	No information available	No information available	on -	
Chronic oral	Chronic oral No information available		information	No information available	No information available	No information available	on -	
Chronic dermal	Chronic dermal No information available		information	No information available	No information available	No information	on -	
Chronic inhalation			information	No information available	No information available	No informatio available	on -	
6 16				(67.07				
Specific	target	organ toxicit	y – repeated exp					
			Specific effects	S	Target o		Note	
Subacute oral			ition available		No information available		-	
Subacute derma			ition available		No information available		-	
Subacute inhalat	tion		ation available		No information available		-	
Subchronic oral			ation available		No information available		-	
Subchronic dern			ation available		No information available		-	
Subchronic inha	lation		ation available		No information available		-	
Chronic oral			ation available		No information		-	
Chronic dermal			ation available		No information		-	
Chronic inhalation	on	No informa	ition available		No information	n available	-	
CMR ef	fects (ca	arcinogenicit	y; mutagenicity;	reproductive	toxicity)			
	genicity		y, matagementy,		to have carcinoc	enic notent	ial for humans	
	enicity <i>in</i>				nation available	, s.me potent		
Genoto		. ,		No information available				
	enicity <i>in</i>	vivo:		-	No information available			
		genicity:			nation available			
	uctive to				Suspected of damaging the unborn child.			
Summa propert	,	evaluation	of the CMI	R No inform	ation available			
11.2 Informa	ation on	other hazard	ds:					
11.2.1. Endocri	ine disru	ıpting prope	rties:					



Page 11 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT						
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

SECTION 12. Ecological information								
12.1 Toxicity								
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-		
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-		
Algae/aquatic plants	IC <sub>50</sub>	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 <sub>50</sub>	96 hours	No information available	No information available	No information available	-		
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-		
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-		
Other organisms	-	-	-	-	-	-		
12.2 Persistence a	nd degrac	lability						
Abiotic degra	dation	¥						
De	gradation	half-lives	Method	Evaluatio	n	Note		

12.2	Persistence and degradability								
	Abiotic degradation								
	Degradation half-lives	Method	Evaluation	Note					



Page 12 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT						
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

										i contract of the contract of
Chroni	c ecotoxicit	ty	_	osure						
available	availal	ole		availab	le	avai	lable			
No information	No	inform	ation	No information			nformatio	on	-	
Value		Species			Method		Evaluat	ion		Note
Biocon	centration	factor (BCF)								
		<u> </u>								
		-		-	_	-			-	
Value	Concentra	tion p	Н	°C	Method		Evalua	ation		Note
Octano	ol-water pa	rtition coeff	icient (	log Kow	)					
12.3 Bioacc	umulative p	ootential		·		:		i		
available	avail	able		availak	ole	availa	ble		availab	le
No information	No	inforn			ormation		formation		No info	rmation
% Degradation	radation	Time (days	)	N	/lethod		Evaluatio	n		Note
D:I	al a £5 - ·-									
Soil	No inforn	nation avail	able	No info	ormation ole	No in availa	formatior ble	า	-	
Air	No inforn	nation avail	able	availab		availa			-	
Fresh water	No inforn	nation avail	able	availab		availa			-	
Marine water	No inforn	nation avail	able	availab		availa			-	

No

No

information

information

available

available

 $LC_{50}$ 

 $EC_{50}$ 

Chronic toxicity on fish

Chronic toxicity on

crustacea (Daphnia)



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

Page 13 of 17

Trading name:		PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4	

No Su No inf ava	value variation value variation value variation value variation va	n:  °C  No information available  desorption coefficient 's constant information	Concentra No informa available log Kow No information available	etion etion Eva	Methodological Method	Method		Note
Add Transport  Soil-water  Vater-air	rface tension Value  ormation ailable  dsorption / ormation A/D Henry No available	n:  °C  No information available  desorption coefficient 's constant information	No informa available log Kow No information	Eva No ir	No information available	Method		
Add ransport  Soil-water  Vater-air	Value formation ailable  Isorption / o Henry No available	°C  No information available  desorption coefficient r's constant information	No informa available log Kow No information	Eva No ir	No information available	Method		
Add Transport Soil-water	lsorption / c A/D Henry No available	No information available  desorption coefficient r's constant information	No informa available log Kow No information	Eva No ir	No information available	Method		
Add Transport Soil-water	Isorption / c A/D Henry No available	information available  desorption coefficient 's constant information	log Kow No information	Eva No ir	available aporation rate	Method		Note
ransport foil-water Vater-air	A/D Henry No available	coefficient 's constant information	No information	No ir	·			Note
oil-water Vater-air	No available	information	No information	No ir	·			Note
Vater-air	available No		information					
				avalia	nformation able	No informati available	ion -	-
oil-air		information	No information available	No ir availa	nformation able	No informati available	ion -	-
	No available	information	No information available	No ir availa	nformation able	No informati available	ion -	-
	1	·				:	•	
2.5. Re	sults of PBT	and vPvB asses	ssment					
aco	cording to F		7(f) or Commis	sion D	elegated regula			upting properties r Commission
2.6. En	docrine disr	upting properti	es					
aco	cording to F		7(f) or Commis	sion D	elegated regula			upting properties r Commission
2.7. Ot	her adverse	effects						
No	informatio	n available						



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

Page 14 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

13.1	Waste treatment methods				
13.1.1.	Product/Packaging disposal:				
	Submit for disposal to the legar Protection.	al person authorized by the Ministry of Environmental and Nature			
13.1.2.	Waste codes/waste designation	ons according to Law:			
	Packaging that contains residual hazardous substances or is contaminated with hazardous substances				
13.1.3.	Waste treatment – relevant information:				
	No information available				
13.1.4.	Sewage disposal – relevant inf				
	Waste must not be disposed of	I of into the sewage system.			
13.1.5.	Other disposal recommendation				
	authorized by the ministry in o	c's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit is authorized by the ministry in charge.			
13.1.6.	Relevant Community provision				
	-				
SECTION	14 TRANSPORT INFORMATION	ON			
-	ransporting/shipment by road	(ADR)			
UN numb	er:	1170			
UN prope	er shipping name:	Ethanol solution			
Transport	hazard class(es):	3			
Packing g	roup:	II			
Environm	entally hazardous:	-			
Special p	ecautions for user:	-			
-	ransporting/shipment by rail (R	RID)			
UN numb	er:	1170			
UN prope	er shipping name:	Ethanol solution			
Transport	hazard class(es):	3			
Packing g	roup:	П			
Environm	entally hazardous:	-			



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

Page 15 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
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:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

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



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

Page 16 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

		Regulation (EC) No 1907/2006 of the European Parliament and of the Council of		
	Other EU regulations:	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			

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



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

Page 17 of 17

Trading name:	PARALDEHYDE FUCHSIN REAGENT				
Product code:	PAF-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classifi	cation	Classification procedure		
_		-		
16.5.	Relevant H statements (number and full text)			
	225	Highly flammable liquid and vapour.		
	H: 350	May cause cancer.		
16.6.	Training advice:	-		
		** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



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

Page 1 of 16

Trading name:	POTASSIUM PERMANGANATE, 0.5% SOLUTION				
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

SECTI	ON 1: Identification of	the substa	nce/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	POTASS	IUM PERMANG	GANATE, 0.5% SOLUTION	
	Chemical name:	-			
	Catalogue number:	KP05-O1	Γ-X**		
1.2.	Relevant identified us	es of the su	ubstance or mix	xture and uses advised against	
	Uses:		For use with	special staining kits.	
	Uses advised against:		Only the ider	ntified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Fax no.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone	Emergency telephone number			
	National Protection ar	nd Rescue I	Directorate:	112	
	Medical information:		+385 1 2348 342		
	Other information:			-	

SECTIO	CTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and catego	ry code:	Hazard statements*:			
	Aquatic Chronic 3		H412			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-s	statements: see S	ection 16			
2.2.	Label elements					
	Product identification:	POTASSIUM	PERMANGANATE, 0.5% SOLUTION			
	Identification number:	-				
	Authorization no.:	-				
	Hazard pictograms:	-				



Page 2 of 16

Trading name:	POTASSIUM PERMANGANATE, 0.5% SOLUTION				
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

	Signal word:	-				
	Hazard statements:	H412 Harmful to aquatic life with long lasting effects.				
	Precautionary statements:	P273 Avoid release to the environment P501 Dispose of contents/container in accordance with local regulations.				
	Further information:	-				
2.3.	Other hazards					
	Endocrine Disrupting Properties:					
	No known endocrine disrupting properties					
	<b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is not a PBT or a vPvB.					

SECTION 3. Composition/information on ingredients							
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
7722-64-7/ 231-760-3/ 025-002-00-9	-	0.5 %	potassium permanganate	Oxid. Solid 2; H272 Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410			

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

#### **SECTION 5 Firefighting measures**



Page 3 of 16

Trading name:	POTASSIUM PERMANGANATE, 0.5% SOLUTION				
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

5.1.	Extinguishing media		
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub> 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	N 6. Accidental release meas	ures		
6.1.	Personal precautions, protective equipment and emergency procedures			
6.1.1.	For non-emergency personnel			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Wear protective equipment (see Section 8).			
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material for cor	ethods and material for containment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.		
6.3.3.	Other information:	information: -		
6.4.	Reference to other sections			



Page 4 of 16

Trading name:	P	OTASSIUM PERMANGANA	TE, 0.5% SOLUTI	ION
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version: 6

See Section 7 for information about secure handling.

See Section 8 for information about personal protective equipment.

See Section 13 for information about containment.

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

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



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

										Page 5 of 16	
Trading nam	ne:		P	OTAS	SSIUM	PERMAN	GAN	ATE, 0.	5% SOLU	ΓΙΟΝ	
Product cod	le:	KP05-O	T-X**		Date of compilat		tion:	21 De	ec 2022	Version: 6	
								T			
Potassium pe	rmang	anate	7722-6	54-7		-		5	No infor	mation available	
Substance											
name:	-										
EC No:	-		CAS No:	-							
DNEL											
					Inc	dustrial					
Route of		A	Acute		Acut	e		Chro	nic	Chronic	
exposure:		effe	ect local	е	ffect sys	temic		effect	local	effect systemic	
Oral		-		-			-			-	
Inhalation		-		-			-			-	
Dermal		-		-			-			-	
Critical physic	cal para	ameters: s	solubility, fla	mmab	ility, cor	rosivity:		-			
				ı	Co	nsumer	ı				
Route of			Acute		Acut		Chronic			Chronic	
exposure:		effe	ect local	е	ffect sys	temic		effect	local	effect systemic	
Oral		-		-			-			-	
Inhalation		-		-			-			-	
Dermal		-		-			-			-	
PNEC											
Environmenta	al prote	ection tar	get			PNEC		•1.1			
Fresh water						No information available					
Freshwater se		ts				No information available					
Marine water						No information available  No information available					
Marine sedim	ients										
Food chain	me in e		ootmont.			No inforr					
Microorganis		sewage tr	eatment			No inform					
Soil (agricultu	ıraı)					No inform					
All						NO IIIIOII	Hatioi	i avaiiau	ie .		
8.2. I	Exposu	re contro	ls								
8.2.1.	Approp	riate eng	ineering cor	ntrols							
measures to prevent exposure								Jse personal protective			
i i		identified	•		equipm	ipment. Do not eat, drink or smoke in the workspace.					
	Structu exposu		ires to preve	ent	No information available						
	exposure.										



Page 6 of 16

Trading name:	POTASSIUM PERMANGANATE, 0.5% SOLUTION						
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6		

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

SECTI	SECTION 9. Physical and chemical properties								
9.1.	Information on basic physical and chemical properties								
	Value Method								
	Physical state:	liquid	No information available						
	Colour:	dark purple	No information available						
	Odour/odour threshold:	no odor/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						



Page 7 of 16

Trading name:	РОТА	POTASSIUM PERMANGANATE, 0.5% SOLUTION						
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6			

	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		
	-		

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

SECTION 11. Toxicological information									
11.1. Information on toxicological effects									
Acute toxic	Acute toxicity:								
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results				
Oral exposure:	No information available	-	LD <sub>50</sub>	-	-				
Dermal exposure:	No information available	_	LD <sub>50</sub>	_	_				



Page 8 of 16

Trading name:		POTASSIUM PERMANGANATE, 0.5% SOLUTION								
Product code:	KP	05-OT-X**	[	Date of	compilation: 21 De		c 2022	Vers	sion: 6	
					-			1		
Inhalation		No information	on	_		LC <sub>50</sub>		_		-
exposure:		available								
Specific	target	organ toxicit	· ·	posure (	STOT SE):		_			
			cific effects				et orgar			Note
Oral exposure:			ation availab		No inform				-	
Dermal exposure			ation availabl		No inform				-	
Inhalation exposi	ure:	No informa	ation availab	e	No inform	natior	n availab	ole	-	
Respirat	tory irri	tation:		No info	rmation av	ailabl	е			
Irritation	n and c	orrosion						1		
		Exposure tim	ie Spe	ecies	Eval	uatio	n	Method		Note
Skin irritation:	-		-		_			-	-	
Eye irritation:	-		-					-	-	
Sensitiza	ation									
Dermal exposure	: No	information	available							
Inhalation	No	information	available							
exposure:										
		ited to the ph	-	ical and	toxicologi	cal ch	naracteri	stics		
Oral exposure:		information								
Dermal exposure	: No	information	available							
Inhalation exposure:	No	information	available							
Eye exposure:	No	information	available							
Repeate	ed dose	toxicity (sub	acute, subch	ronic, ch	nronic)					
		Dose	Exposure time	Spec	ies	Met	hod	Evaluation		Note
Subacute oral	No availa	information able	No information available	No n infor avail	mation able		rmatio railable	No informa	ation	-
Subacute dermal	No availa	information able	No information available	No n infor avail	mation able		rmatio ailable	No informa	ation	-



Page 9 of 16

Trading name:	POTA	ASSIUM PERMANGANA	ATE, 0.5% SOLUTIO	)N	
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

Subacute inhalation	No information available	No information available	No information available	No informatio n available	No inform	ation _
Subchronic oral	No information available	No information available	No information available	No informatio n available	No inform	ation _
Subchronic dermal	No information available	No information available	No information available	No informatio n available	No inform available	ation _
Subchronic inhalation	No information available	No information available	No information available	No informatio n available	No inform available	ation -
Chronic oral	No information available	No information available	No information available	No informatio n available	No inform available	ation -
Chronic dermal	No information available	No information available	No information available	No informatio n available	No inform	ation _
Chronic inhalation	No information available	No information available	No information available	No informatio n available	No inform	ation _
Specific	target organ toxicit		xposure (STOT		1	,
	Spe	cific effects		Target organ		Note

	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-
Chronic inhalation	No information available	No information available	-

CMR effects (carcinogenicity, mutagenicity, reproductive toxicity)			
Carcinogenicity:	No information available		
Mutagenicity in-vitro:	No information available		
Genotoxicity:	No information available		
Mutagenicity in-vivo:	No information available		



Page 10 of 16

Trading name:	РОТА	SSIUM PERMANGANA	ATE, 0.5% SOLUTIO	N	
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

	Germ cell mutagenicity:	No information available
		No information available
	Summary of evaluation of the CMR	properties: -
44.0		
11.2	Information on other hazards:	
11.2.1.	Endocrine disrupting properties:	
	The substance/mixture does not corcomponents considered to endocrine disrupting proper according to REACH Article 57(f Commission Delegated regulation 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% higher.	have erties f) or (EU) ation
11.2.2.	Other information:	
	-	

SECTION 12. Ecological information								
12.1. Toxicity								
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	-		
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-		
Algae/aquatic plants	IC <sub>50</sub>	8 days	No information available	No information available	-	-		
Microorganisms	LC <sub>50</sub>	72 hours	-	-	-	-		
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	-		
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-		



Page 11 of 16

Trading nam	ne:		P	OTASS	SIUM PERMAN	IGAN	ATE, 0.5%	SOLU1	TION	
Product cod	e:	KP05-OT-X*	*		Date of compile	ation:	21 Dec	2022	Version:	6
Algae/aquation		IC <sub>50</sub>	72 ho	ırc	No information available		rmation lable			
Other organis	ms	-	-		_	-		-	-	
		1						1	·	
12.2. Persi	stenc	e and degradal	oility							
Abio	tic de	gradation								
	L	Degradation ha	f-lives		Method			Evaluatio	n	Note
Marine water	No	information av	nformation available		nformation avail	able	No inform	ation ava	ailable	-
Fresh water	No	information av	ailable	No i	nformation avail	able	No inform	ation ava	ailable	-
Air	No	information av	nformation available No information available No information available			-				
Soil	No	information av	ailable	No i	nformation avail	able	No inform	ation ava	ailable	-
		lation	_							
	6 Degradation Time (days)			Method		Evaluatio		Note No information available		
No information		No infori available	nation							
12.3. Bioa	ccumi	ulative potentia	<u> </u>							
		oefficient: n-oc								
Value		ncentration	рН	°C	°C Method		Evaluation		Note	
-	No availa	information able	-	-	No informati available	on	No inform available	ation	-	
Bioco	oncen	ntration factor (	BCF)							
Value		Species	;		Method		Evaluati	on	No	ote
No information available	on	No infor available	mation	No in availa	formation ble		No information available		No information available	
	•								<u> </u>	
Chro	nic ed	cotoxicity								



Page 12 of 16

Trading name:	РОТА	SSIUM PERMANGANA	TE, 0.5% SOLUTIO	N	
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

nformation and ace tension:  'alue	evailable °C	Nc inflava	formation ailable a formation ailable ailable ailable ailable a formation ailable ailable ailable ailable ailable ailable aila	vaila lo nforr vaila	mation able	No information available No information available ments:	No inforr available No inforr available	mation	- Note
ility in soil wn or predict nformation and accentension: 'alue  mation N	ted distributi available °C	info ava	n environmer  Concentrati  No information	nforr vaila ntal c	ble	information available ments:			- Note
vn or prediction and accepted tension:  'alue  mation  N	°C lo informati		Concentrati No information		comparti				Note
nformation and ace tension:  Value	°C lo informati		Concentrati No information		comparti				Note
race tension:  Yalue  Mation	°C lo informati	ion	No information	on		Method			Note
ralue N	lo informati	ion	No information	on		Method			Note
mation N	lo informati	ion	No information	on		Method			Note
mation		ion	information						
			tion		No information availa		lable -		
orntion / des	corption								
•			1 1/				N4 .1 1		N
Henry's	constant		log Kow Evapo		Evapora	ration rate Method			Note
-water No information available		No information available		No information available		ation	No informatio available	n -	
No i available	information					ation	No informatio available	n -	
No i available	information					ation	No information - available		
	A/D coe Henry's o No available No available	No information available  No information available	A/D coefficient Henry's constant  No information available  No information available  No information available  No information available  No information available available	A/D coefficient Henry's constant  No information available  No information No information available  No information available  No information available  No information No information available	A/D coefficient Henry's constant  No information available  No information No information available  No information available	A/D coefficient Henry's constant  No information available  No information available	A/D coefficient Henry's constant  No information available  No information available	A/D coefficient Henry's constant  No information available  No information available	A/D coefficient Henry's constant  No information available  No information available

Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 12.6. Endocrine disrupting properties



Page 13 of 16

POTA	ASSIUM PERMANGANA	ATE, 0.5% SOLUT	ION
)5-OT-X**	Date of compilation:	21 Dec 2022	Version: 6
			Date of compilation: 21 Dec 2022

	TI   1   1   1   1   1   1   1   1   1					
		components considered to have endocrine disrupting properties mission Delegated regulation (EU) 2017/2100 or Commission % or higher.				
•						
12.7.	Other adverse effects					
	No information available					
	ON 13. Disposal considerations					
13.1.	Waste treatment methods					
13.1.1.	. Product/Packaging disposal:					
13.1.1.	3 3 1	authorized by the Ministry of Environmental and Nature				
	Protection.	additionized by the Willistry of Environmental and Wattire				
13.1.2.	. 3	ding to Law:				
	No information available					
13.1.3.	. Waste treatment – relevant information	า:				
	No information available					
13.1.4.	. Sewage disposal – relevant information	1:				
	Waste must not be disposed of into th	e 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 collector 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 who ignition may occur.					
13.1.6. Relevant Community provisions:						
	-					
SECTIO	ON 14. Transport information					
	Transporting/shipment by road (ADR)					
UN nun						
UN pro	oner shinning name:	nmentally hazardous substance, liquid, n.o.s. (potassium nganate)				
Transpo	oort hazard class(es): 9					



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

Page 14 of 16

Trading name:	POTASSIUM PERMANGANATE, 0.5% SOLUTION					
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6	

Packing group:	III	
Environmentally hazardous:	-	
Special precautions for user:	-	
Transporting/shipment by	rail (RID)	
UN number:	3082	
UN proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (potassium permanganate)	
Transport hazard class(es):	9	
Packing group:	III	
Environmentally hazardous:	-	
Special precautions for user:	-	
Inland waterway transport	(ADN)	
UN number:	3082	
UN proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (potassium permanganate)	
Transport hazard class(es):	9	
Packing group:	III	
Environmentally hazardous:	-	
Special precautions for user:	-	
Transporting/shipment by	sea (IMDG)	
UN number:	3082	
UN proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (potassium permanganate)	
Transport hazard class(es):	9	
Packing group:	III .	
Environmentally hazardous:		
Special precautions for user:	-	
Transporting/shipment by	air (ICAO-TI/IATA-DGR)	
UN number:	3082	
UN proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (potassium permanganate)	
Transport hazard class(es):	9	
Packing group:	III	
Environmentally hazardous:	-	
Special precautions for user:	_	



Page 15 of 16

Trading name:	POTASSIUM PERMANGANATE, 0.5% SOLUTION				
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

	These substances when carried in single or combination packagings containing a net
Further information:	quantitiy per single or inner packaging of 5 l or less for liquids or having a net mass per
	single or inner packaging of 5 kg or less for solids, are not subject to classification.

SECTIO	ON 15. Regulatory informat	tion					
15.1.	Safety, health and environ	Safety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations	EU regulations					
	Authorization and/or restri	ictions of use					
	Authorizations:	-					
	Restrictions:	-					
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);					
	Information according 199 guideline)	9/13/EC about limitation of emissions of volatile organic compounds (VOC-					
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act					
15.2.	Chemical safety assessmen	nt					
	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:	POTASSIUM PERMANGANATE, 0.5% SOLUTION				
Product code:	KP05-OT-X**	Date of compilation:	21 Dec 2022	Version: 6	5

			ADD: Assessed selectification constitution of the selection of the selecti			
16.2.	Abl	oreviations and acronyms	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:		-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)					
Classifi	catio	n	Classification procedure			
-			-			
16.5.	Rel	evant H statements (num	oer and full text)			
		272	May intensify fire; oxidiser.			
		302	Harmful if swallowed.			
	H:	400	Very toxic to aquatic life.			
		410	Very toxic to aquatic life with long lasting effects.			
		413	May cause long lasting harmful effects to aquatic life.			
16.6.	Tra	ining advice:	<u>-</u>			
16.7.	Further information: We inst		"* "X" in the product code marks different volumes (different packagings of he product)  We are not responsible for consequences in case of failure to comply with nstructions for use or improper use of the product described in this material safety data sheet.			

A	۸	11	V	E	X	į
---	---	----	---	---	---	---

**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:	SULFURIC ACID, 0.5% SOLUTION				
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

SECTI	ON 1. Identification of	the substa	nce/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	SULFUR	IC ACID, 0.5% S	OLUTION	
	Chemical name:	-			
	Catalogue number:	SK05-07	Г-Х**		
1.2.	Relevant identified uses of the substance or mixture and uses advised against			xture and uses advised against	
	Uses:		For use with	special staining kits.	
	Uses advised against:		Only the ider	ntified uses are advised.	
	Reason why uses advis	sed	device, regist	is intended for use only as an <i>in vitro</i> diagnostic medical sered at the Agency for Medicinal Products and Medical there is no reason to use it for other purposes	
1.3.	Details of the supplier	of the safe	ety data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039		
	Telephone number:				
	Fax no.:				
	e-mail of competent p	erson:	msds@biogno	<u>ost.hr</u>	
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection ar	nd Rescue	Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or	Classification of the substance or mixture				
2.1.1.	Classification according to Regul	ation (EC) No 12	.72/2008 (CLP)			
	Hazard class and categor	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous subs	tance.	-			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-st	atements: see S	ection 16			
2.2.	Label elements					
	Product identification:	SULFURIC AC	ID, 0.5% SOLUTION			
	Identification number:	-				
	Authorization no.:	-				
	Hazard pictograms:	-				



### 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 2 of 16

Trading name:	SULFURIC ACID, 0.5% SOLUTION				
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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

SECTION 3. Co	SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)		
7664-93-9/ 231-639-5/ 016-020-00-8	-	0.5 %	sulfuric acid, 96%	Skin Corr. 1A; H314		

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



Page 3 of 16

Trading name:	SULFURIC ACID, 0.5% SOLUTION			
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

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

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

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



Page 4 of 16

Trading name:	SULFURIC ACID, 0.5% SOLUTION				
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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	
	-	

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



Page 5 of 16

Trading name:	SULFURIC ACID, 0.5% SOLUTION			
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

SECTION 8. Exposur		ols/persona	l protec	tion				
8.1. Control para	meters			_				
Substance					Occupational exposure limit values		Biological limit values	
_					ppm	mg/m³		
-		-			-	-	No information available	
Substance - name:								
EC No: -		CAS No:	-					
DNEL								
				Inc	dustrial			
Route of	A	Acute		Acut	e	Chronic	Chronic	
exposure:	effe	ect local	effe	ct sys	temic	effect local	effect systemic	
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			-	-	
Critical physical para	meters: s	solubility, fla	mmabilit	ty, cor	rosivity:	-		
	1		1	Со	nsumer			
Route of exposure:		Acute ect local	effe	Acut ct sys	e temic	Chronic effect local	Chronic effect systemic	
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			-	-	
PNEC								
Environmental protect	ction tar	get			PNEC			
Fresh water					No information available			
Freshwater sediment	S				No information available			
Marine water				No information available				
Marine sediments				No information available				
Food chain					No information available			
Microorganisms in se	wage tr	eatment			No information available			
Soil (agricultural)					No infor	mation available		
Air					No infor	mation available		



Page 6 of 16

Trading name:		SULFURIC ACID, 0.59	% SOLUTION	_	
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

8.2.	Exposure controls				
8.2.1.	Engineering measures				
	Substance/mixture related measures to prevent expoduring 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:	event	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to pre exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equip	pment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 16 visor.			
8.2.2.2.	Skin protection				
	Hand protection:		tive gloves must be according to the EU Directive 2016/425/EEC and and EN 374.  Glove material: nitrile rubber  Glove thickness: ≥0.50 mm		
	I ITHAT CVIN NYCTACTION:		Break through time: >480 min  /ear antistatic clothing made of natural fibers (such as cotton) with long eeves (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	Protec filter fo	tive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN ) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation available		
8.2.3.	Environmental exposure of	controls			
	Substance/mixture related measures to prevent expo		See Section 6		
	Structural measures to pre exposure:	event	Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to pre exposure:	event	See Section 6		

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



Page 7 of 16

Trading name:		SULFURIC ACID, 0.59	% SOLUTION	_	
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Physical state:	liquid	No information available
	Colour:	colourless	No information available
	Odour/odour threshold:	no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	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
<u>.</u>	Other information		

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

SECTIO	DN 11. Toxicological information
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
	Acute toxicity:



Page 8 of 16

Trading name:		SULFURIC ACID, 0.59	% SOLUTION		
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Expos time	RACILITS	
Oral exposure:	No information available	_	LD <sub>50</sub>	-	-	
Dermal exposure:	No information available	-	LD <sub>50</sub>	-	-	
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-	
Specific ta	rget organ toxicity – s	ingle exposure	(STOT SE):			
	Specific	effects	Target organ		Note	
Oral exposure:	No information	available	No information available	-		
Dermal exposure:	No information	available	No information available	-		
			No information	-		
Inhalation exposure Respirator			available ormation available	-		
Respirator	y irritation: nd corrosion	No info	available ormation available	Meth	Note	
Respirator Irritation a	y irritation:		available  ormation available  Evaluation	Meth od	Note	
Respirator Irritation a Skin irritation:	y irritation: nd corrosion	No info	available ormation available	Meth	Note -	
Respirator Irritation a	y irritation:  nd corrosion  Exposure time	No info	available  ormation available  Evaluation	Meth od		
Respirator Irritation a Skin irritation:	y irritation:  nd corrosion  Exposure time -	No info	available  ormation available  Evaluation	Meth od	_	
Respirator Irritation a Skin irritation: Eye irritation:	y irritation:  nd corrosion  Exposure time -	Species	available  ormation available  Evaluation	Meth od	_	
Respiratory  Irritation a  Skin irritation:  Eye irritation:	y irritation:  nd corrosion  Exposure time	Species	available  ormation available  Evaluation	Meth od	_	
Respiratory  Irritation a  Skin irritation:  Eye irritation:  Sensitization  Dermal exposure:  Inhalation exposure:	y irritation:  nd corrosion  Exposure time  No information avail	Species ilable	available  ormation available  Evaluation	Meth od -	_	
Respiratory  Irritation a  Skin irritation:  Eye irritation:  Sensitization  Dermal exposure: Inhalation exposure:  Symptoms	y irritation:  nd corrosion  Exposure time  No information avail	Species ilable ilable al, chemical and	available  Drmation available  Evaluation	Meth od -	_	
Respiratory  Irritation a  Skin irritation:  Eye irritation:  Sensitization  Dermal exposure:  Inhalation exposure:	y irritation:  nd corrosion  Exposure time  No information available related to the physic	Species  ilable ilable al, chemical and vailable	available  Drmation available  Evaluation	Meth od -	_	
Respiratory  Irritation a  Skin irritation:  Eye irritation:  Sensitization  Dermal exposure:  Inhalation exposure:  Symptoms  Oral exposure:	y irritation:  nd corrosion  Exposure time  No information available related to the physical No information a No information a No information a No information a	Species  Ilable Ilable al, chemical and vailable vailable	available  Drmation available  Evaluation	Meth od -	_	



Page 9 of 16

Trading name:	SULFURIC ACID, 0.5% SOLUTION				
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

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

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



Page 10 of 16

Trading name:		SULFURIC ACID, 0.5	% SOLUTION		
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Critorii	c inhalation	No informa	ition available	No information available	-
	CMR effects (	(carcinogenicity	y, mutagenicity, r	eproductive toxicity)	
	Carcinogenic	ity:	Based on av	ailable data, the classification criter	ia are not met.
	Mutagenicity	in-vitro:	Based on av	ailable data, the classification criter	ia are not met.
	Genotoxicity:		Based on av	ailable data, the classification criter	ia are not met.
	Mutagenicity	in-vivo:	Based on av	ailable data, the classification criter	ia are not met.
	Germ cell mu	ıtagenicity:	Based on av	ailable data, the classification criter	ia are not met.
	Reproductive	toxicity:	Based on av	ailable data, the classification criter	ia are not met.
		evaluation of the	he CMR propertie	·S:   -	
		evaluation of ti	ne Civik propertie	S:   -	
11.2		on other hazard		S:   -	
11.2 11.2.1.	Information c		ds:	S:   -	
	Information of Endocrine dis The substance components endocrine according to Commission 2017/2100 o	on other hazaro srupting prope e/mixture does	ds: rties: s not contain to have properties cle 57(f) or ulation (EU) Regulation	S:   -	
	Information of Endocrine distribution of Endocrine components endocrine according to Commission 2017/2100 of (EU) 2018/60	on other hazard srupting prope e/mixture does considered disrupting o REACH Artic Delegated reg or Commission 05 at levels	ds: rties: s not contain to have properties cle 57(f) or ulation (EU) Regulation	S:   -	

SECTION 12. Ecologi	cal informa	tion							
12.1. Toxicity									
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	-			
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-			
Algae/aquatic plants	IC <sub>50</sub>	8 days	No information available	No information available	-	-			
Microorganisms	LC <sub>50</sub>	72 hours	-	-	-	-			



Page 11 of 16

Trading name:		SULFURIC ACID, 0.59	% SOLUTION		
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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

12.2. Persi	istence and degradability			
Abio	tic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	<b>–</b>
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	-

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

12.3.	Bioa	ccumulative potentia	al				
	Parti <sup>.</sup>	tion coefficient: n-o	ctanol/wa	ter (log	Kow):		
Valu	ıe	Concentration	рН	°C	Method	Evaluation	Note
-		No information available	-	-	No information available	No information available	-

Bioconcentration factor (BCF)



Page 12 of 16

Trading name:		SULFURIC ACID, 0.59	% SOLUTION		
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Value		Species	Me	ethod	Evaluation		Note	
No infavailat	ormation ole	No availal	informati ble	on No informavailable	ation	No information available	No inf	ormation ava	ilable
	Chronic e	cotoxici	ty						
	Value		Dose	Exposure time	Species	Method	Eva	lluation	Note
Chroni	ic toxicity o	n fish	LC <sub>50</sub>	No information available	No information available	No information available	No info	ormation ble	-
	ic toxicity or cea ( <i>Daphni</i>		EC <sub>50</sub>	No information available	No information available	No information available	No info	ormation ble	-
	No inforr Surface t		vailable						
	Surface t	ension:							
	Value		°C	Concentrat	tion	Method		N	ote
	No	No	)	No informat	ion		ahla		
	informati available		formation ailable	available	No in	formation avail		-	
					No in	formation avail			
		av	ailable		No in	formation avail			
Transp	Adsorption	av	orption fficient		No in	formation avail		Method	Note
	Adsorption ort H	av. on / desc A/D coet denry's c	orption fficient	available	Evapo	pration rate		Method ormation	Note
Transp Soil-w Water	Adsorption No available No available	av. on / desc A/D coel denry's coel ir lable	orption fficient onstant	log Kow No informatio	Evapo n No inforr available	pration rate mation	No info	Method ormation ole ormation	Note -



Page 13 of 16

Trading name:	SOLI ONIC ACID	0.5% SOLUTION	
Product code: SK05-OT	-X** Date of compilati	on: 21 Dec 2022	Version: 4

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
	THE INTERNATION OF THE PROPERTY OF THE PROPERT
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
12.12	
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:
15.1.0.	



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

Page 14 of 16

Trading name:	SULFURIC ACID, 0.5% SOLUTION			
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

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 (ADN	<b>J</b> )			
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 (I	CAO-TI/IATA-DGR)			
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			



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

Page 15 of 16

Trading name:		<b>SULFURIC ACID, 0.5</b>	% SOLUTION		
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

Special precautions for us	er:	-
Further information:	-	

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

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



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

Page 16 of 16

Trading name:	SULFURIC ACID, 0.5% SOLUTION				
Product code:	SK05-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

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 used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		
Classifi	cation	Classification procedure	
_		-	
16.5.	Relevant H statements (number and full text)		
	H: 314	Causes severe skin burns and eye damage.	
16.6.	Training advice:	-	
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product)  We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

#### **ANNEX:**

**Exposure scenario resulting to Chemical safety assessment** 

-