

#### CYTOGNOST KIT

The kit contains:

Hayem's solution

Tuerk's solution

ThromboGnost solution



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Trade name:	HAYEM'S SOLUTION				
Product code:	HY-OT-X**	Date of compilation:	06 December 2023	Version: 6	

1.1.	Product identifier					
	Trade name:	HAYEM'S SOLUTION				
	Chemical name:	-				
	Catalogue number:	HY-OT-X**				
1.2.	Relevant identified uses	Relevant identified uses of the substance or mixture and uses advised against				
	Uses:		Solution	n for manual counting of erythrocytes in microscopy.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3.	Details of the supplier of the safety data sheet					
	Supplier: BioGn		nost Ltd.			
	Address:	Medjug	Medjugorska 59, Zagreb			
	Telephone number: +38		35 1 2409997			
	Telefax:	+385 1	5 1 2404039			
	e-mail of competent pe	rson: <u>msds@</u>	<u>@biognost.hr</u>			
	National contact:	-				
1.4.	Emergency telephone n	umber				
	National Protection and	l Rescue Directora	ite:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)						
	Hazard class and category code: Hazard statement*:						
	Acute Tox. 4	H302					
2.1.2.	Additional information						
	-						
* For fu	ıll text of Hazard- and EU Hazard-statements	: see SECTION 16					
2.2.	Label elements						
	Product identification:	HAYEM'S SOLUTION					
	Identification number:	-					



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	Authorisation number:	-
	Hazard pictograms:	GHS07
	Signal word:	Warning
	Hazard statement:	H302 Harmful if swallowed.
	Precautionary statement:	P280 Wear protective gloves/protective clothing/eye/protection/face protection P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/ P308+P313 IF exposed or concerned: Get medical advice/attention.
	Supplemetal hazard information (EU):	-
2.3.	Other hazards	
	Endocrine Disrupting Properties:	
	No known endocrine disrupting properties.	

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)			
7487-94-7 231-299-8 080-010-00-X	-	0.25 %	mercuric chloride	Acute Tox. 2; H300 Skin Corr. 1B; H314 Muta. 2; H341 Repr. 2; H361f STOT RE 1; H372 Aquatic Acute 1;H400 Aquatic Chronic 1;H410			

SECTIO	SECTION 4. First aid measures			
4.1.	Description of first aid measures			
	General notes:	Consult a physician. Show this safety data sheet to the doctor in attendance.		
	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.		



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	Following skin contact:  Following eye contact:  Following ingestion:  Self-protection of the first aider		Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.	
			Rinse out with plenty of water for at least 15 minutes with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.	
			Provide the afflicted person with water to rinse mouth. Do not induce vomiting. If vomiting occurs, keep the afflicted person's head in low position in order to prevent aspiration. If the symptoms remain, immediately call a physician.	
			Avoid direct contact with the chemical; use appropriate protective equipment described in Section 8.	
4.2.	Most important symptoms	and effe	ects, both acute and delayed	
	Following inhalation:	irritat	cause respiratory tract irritation. Breathing Mercuric Chloride can te the lungs causing coughing and/or shortness of breath. Higher sures can cause a build-up of fluid in the lungs (pulmonary edema).	
	Following skin contact:	May o	cause irritation. May be absorbed through the skin in harmful unts.	
	Following eye contact:	May cause irritation, redness, pain and tearing.		
	Following ingestion:	May cause irritation of the digestive tract. May be harmful if swalle Mercuric Chloride may cause liver and kidney damage.		
		IVICIC	<u> </u>	
4.3.			al attention and special treatment needed	

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

SECTION 6. Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			



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

SECTIO	SECTION 7. Handling and storage					
7.1.	Precautions for safe handling					
7.1.1.	Protective 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:	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 incompatibilit	ties				



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	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a cool, dry, well ventilated storage rooms, and away from 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. Light sensitive.
	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.	Cont	Control parameters								
Substance			CAS No		Occupational exposure limit values/short term values		Biological limit values			
						ppm	m	g/m³		
mercur	ic chlor	ide		7487-94	4-7	-	(	0,02	No	information available
Substa	nce:	-								
EC No:		-		CAS No:	-					
DNEL										
						Industrial				
Route	of ovno	curo.	Acu	te effect	Acute effect		Chronic effect		ct	Chronic effect
Route	от ехро	sure.		ocal		systemic local		local		systemic
Oral			-		-		-			-
Inhalation			-			-				
Dermal				-			-			
Critical	Critical physical parameters: solubility, flammability, corrosivity:									
						Consumer				



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Doute of a	Wooduro:	Acute effect	Ac	ute ef	fect	Chronic effect	Chronic effect
Route of e	exposure.	local	s	systemic		local	systemic
Oral		-	-			-	-
Inhalation		-	-	-		-	-
Dermal		-	-			-	-
PNEC							
Environme	ental protec	ction target			PNEC		
Fresh wate	er				No inforr	mation available	
Freshwate	r sediments	S			No inforr	mation available	
Marine wa	nter				No inforr	mation available	
Marine sed	diments				No inforr	mation available	
Food chair	n				No inform	mation available	
Microorga	ınisms in se	ewage treatment			No inforr	mation available	
Soil (agric	ultural)				No inforr	mation available	
Air					No information available		
8.2.	Exposure	e controls					
8.2.1.	Appropr	iate engineering cor	ntrols				
	measure	ce/mixture related es to prevent exposu dentified uses:	ıre	prote	se the product in well ventilated rooms. Use personal otective equipment. Do not eat, drink or smoke in the orkspace.		
	Structura	al measures to preve e:	ent	No ir	information available		
	Organisa exposure	ational measures to e:	prevent		rganization of work in order to reduce other worker's fluence during work process.		
	Technica exposure	al measures to preve e:	ent		ecure proper workspace ventilation in order to keep oncentration levels in air below permitted levels.		
8.2.2.	Personal	l protection equipme	ent:				
8.2.2.1.	Eye and	face protection:	Safety	glasse	s that stic	k to face (EN166) or viso	or.
8.2.2.2.	Skin pro	tection:					
	Hand pr	otection:	materia - polyc - nitrile - butyl	als: hlorop rubbe rubbe	oves for lo orene, 0.5 er, 0.35 m er, 0.5 mm, aloride, 0.5	m,	) made of following



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	Other skin protection:		Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves, and shoes that cover the entire foot.		
8.2.2.3.	Respiratory protection:	•	Use a protective mask or a half mask with A-P3 combined filter (brownwhite).		
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.3.	Environmental exposure co	ontrols			
	Substance/mixture related measures to prevent expos	sure:	See Section 6		
	Structural measures to pre exposure:	vent	Use modern equipment.		
	exposure: th		Adapt the work process to the required working conditions of the workplace.		
			See Section 6		

).1.	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	Liquid	No information available
	Colour:	Colorless	No information available
	Odour/odour threshold:	Odourless/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



No information available

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	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:	No information available				
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:	Light.				
10.5.	Incompatible materials:	Strong oxidizing agents, strong bases.				
10.6.	Hazardous decomposition products:	Sodium oxides, sulfur oxides.				

Route of exposure: Oral:	Method	Species	Effective D				
exposure:	Method	Species	Effective D				
Oral:			LD <sub>50</sub> /LC <sub>50</sub> or A		Exposur	e time	Results
	No information available	-	No informa available		-		No information available
Dermal:	No information available	-	No information available		-		No information available
Inhalation:	No information available	-	No information available		-		No information available
				•			
Sp	ecific target organ toxicity -	- single expos	sure (STOT SE):				
	S	pecific effects	3	Targe	t organ		Note
Oral:	No information as	/ailable				_	
Dermal:	No information av	No information available					
Inhalation:		-		-			



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		Exposure time	Species	Evaluation	Method	Note			
Skin corrosion/irritat	tion -		-	-	-	No information available			
Serious eye damage/irritation			-	-	-	No information available			
Sensitizatio Skin sensitization:		fa							
		formation available							
Respiratory sensitiza	ition: No in	formation available							
Symptoms	related to the nh	ysical, chemical and	tovicological c	haracteristics					
Oral exposure:		if swallowed.	toxicological c	ilaracteristics					
Dermal exposure:			harmful if abso	orhed through	skin				
Inhalation exposure:	-	cause irritation. May be harmful if absorbed through skin. be harmful if inhaled. May cause respiratory tract irritation.							
Eye exposure:		and swelling may o		<u> </u>					
,	1 22 2	<u> </u>			-,				
Repeated d	lose toxicity (suba	ncute, subchronic, ch	ronic)						
; ·	Dose	Exposure time	Species	Method	Evaluatio	on Note			
Subacute oral	No information available	No information available	No information available	No information available	No informatio available	on -			
Subacute dermal	No information available	No information available	No information available	No information available	No informatio available	on -			
Subacute inhalation	No information available	No information available	No information available	No information available	No informatio available	on -			
Subchronic oral	No information available	No information available	No information available	No information available	No informatio available	on -			
Subchronic dermal	No information available	No information available	No information available	No information available	No informatio available	on -			
Subchronic inhalation	No information available	No information available	No information available	No information available	No informatio available	on -			



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Chronic oral	No information available	No informati available	on No information available	No information available	No informat available			
Chronic dermal	No information No information available available		on No information available	No information available	No informat available			
Chronic inhalation	No information available	No informati available	on No information available	No information available	No informat available			
Specific ta	rget organ toxicity			T	**************************************	NI :		
Culpo que a sur-l	•	ecific effects		Target organ		Note		
Subacute oral Subacute dermal		tion available tion available		nation available				
Subacute dermai		tion available		nation available				
Subchronic oral		tion available		nation available				
Subchronic dermal		tion available	No information available					
Subchronic inhalation		tion available	No information available -					
Chronic oral		tion available	No information available -					
Chronic dermal		tion available	No information available -					
Chronic inhalation	No informa	tion available	No inform	nation available	-			
CMR effec	ts (carcinogenicity;	mutagenicity; re	eproductive toxic	ity)				
Carcinoge	nicity:		IARC: Group 3:	Not classified as	carcinoge	enic to humans.		
Mutagenio	ity in-vitro:		No information available					
Genotoxic	ity:		No information available					
Mutagenio	ity in-vivo:		No information available					
Germ cell i	mutagenicity:		No information available					
Reproduct	ive toxicity:		No information	ı available				
Summary properties		of the CMR	No information	ı available				
11.2. Informatio	n on other hazards	:						
11.2.1. Endocrine	disrupting properti	es:						
No known	endocrine disrupti	ng properties th	at affect human	health.				
11.2.2. Other info	rmations:							



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SECTION 12. E	cological	informat	ion					
12.1. Toxicit	У							
Acute (short-term) toxicity		Dose	Exposur e time	Species	Method		Evaluation	Note
Fish:		LC <sub>50</sub>	96 hours	No information available	No informa available		No information available	-
Crustacea:		EC <sub>50</sub>	48 hours	No information available	No informa available		No information available	-
Algae/aquatic μ	olants:	IC <sub>50</sub>	72 hours	No information available	No informa available		No information available	-
Other organisms:		-	-	No information available	No information available		No information available	-
Chronic (long-t toxicity	erm)	Doza	Exposur e time	Species	Method		Evaluation	Note
Fish:		LC <sub>50</sub>	96 hours	No information available	No informa	tion	No information available	-
Crustacea:		EC <sub>50</sub>	48 hours	No information available	No informa	tion	No information available	-
Algae/aquatic p	olants:	IC <sub>50</sub>	72 hours	No information available	No informa	tion	No information available	_
Other organisms: -		-	-	No information available	No informa	tion	No information available	-
		degradab	ility					
Abiotic	degrada			:		1		
	Deg	radation h	nalf-lives	Metho	od		Evaluation	Note
Marine water	No info	rmation av	vailable	No information	available	No avai	information lable	-
Fresh water No information available		No information	available	No avai	information lable	-		



Trade name:

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Air	No inform	ation avail	able	No	No information availab		le No informa		rmation	-
Soil No information available		able	No information availab		vailab	ble No informa		mation	-	
Riodea	radation									
% Degradation		ime (days)		M	1ethod		valuation		<u> </u>	Note
No information available		rmation		No information		No information			No information available	
	umulative po		ficient (	log Kow	)					
Value	Concent		рН	°C	Metho	d	Eva	aluation		Note
No		ormation	nation _		No informati available		ion No inform available		nation _	
Biocone	centration f	actor (BCF)	)							
Value		Species		l	Method		Evaluatio	n		Note
No information available	No info	ormation le		No info	ormation lle		nformatio lable		lo inform vailable	nation
Chuani	c ecotoxicity									
Value		Dose		oosure ime	Species		Method	Evalua	tion	Note
Chronic toxicity on fish LC <sub>50</sub>		LC <sub>50</sub>	No infor avail	mation able	No informat available	ion i	No nformati on available	No informa available		-
Chronic toxicity on crustacea (Daphnia)		No information available		No informat		No nformati	No informa available		-	



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						on available				
12.4	N 4 - I- 11	·•	:1							
12.4.		ity in so								
	<u>.</u>		on available	on in environment	tai compartme	ents:				
	<u> </u>									
		e tensio				. 4 - 4		NI-t-		
		lue	°C	Concentration	n   ľ	Method		Note		
	No inform availal		No information available	No information available	n No inforr available	mation	-			
	Adsor	ption/d	esorption							
Transpo	ort		coefficient ry's constant	log Kow	Evaporation	rate Me	e Method		te	
Soil-Wa	ater	No info	ormation le	No information available No information		on No info availabl		-		
Water-A	۹ir	No info	ormation lle	No information available			rmation e	-		
Soil-Air		No info	ormation le	No information available	No informati available	on No info availabl	rmation e	-		
						·				
12.5.	Result	s of PB1	and vPvB asses	sment						
	Ova tvar/smjesa ne sadrži komponente koje se smatraju postojanim, bioakumulirajućima i toksičnima (PBT), ili jako postojanim i jako bioakumulirajućima (VPvB) na razinama od 0,1% ili više.								ma	
12.6.	Endoc	rine dis	rupting properti	es						
	57(f), <sub>l</sub>	propisa	o Registraciji, oc	nente za koje se sr jenjivanju, odobra 30 ili Uredbi Komi	avanju i ograni	ičavanjju kemik	alija (REA	CH), ili deleg		
12.7.	Other	adverse	e effects							
	No inf	ormatic	n available							

#### **SECTION 13. Disposal considerations**

13.1. Waste treatment methods



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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 Low:
	15 01 10*: 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 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:
	-

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:	-				
Environmental hazards:	-				
Special precautions for user:	-				
Transporting/shipment by re	ail (RID)				
UN number:	Not subject to transport regulations.				
UN proper shipping name:	-				
Transport hazard class(es):	-				
Packing group:	-				



Packing group:

Environmental hazards:

Further information:

Special precautions for user:

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MATEIN 3 SOLUTION				··•
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_				
wa	terways (ADN)			
No	ot subject to transport req	gulations.		
-				
-				
-				
-				
-				
MDC	 i)			
No	ot subject to transport reg	gulations.		
-				
-				
-				
-				
-				
-				
AO-	TI/IATA-DGR)			
No	ot subject to transport reg	gulations.		
-				
-				
	Nc   -	Date of compilation:	waterways (ADN)  Not subject to transport regulations.  MDG)  Not subject to transport regulations.  Not subject to transport regulations.  Not subject to transport regulations.	Date of compilation: 06 December 2023 Version:

SECTIO	SECTION 15. Regulatory information							
15.1.	Safety, health and env	Safety, health and environmental regulations/legislation specific for the substance or mixture						
	EU regulations							
	Authorisations and/or	restrictions on use						
	Authorisations:	-						
	Restrictions:	-						

The product is not subject to classification.



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	None	
15.2.	Chemical safety assessme	nt
	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, Transport of Hazardous Substances Act
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);

SECTIO	SECTION 16. Other information				
16.1.	Indication of changes:	-			
16.2.	Abbreviations and acronyms:	PBT vPvB LD <sub>50</sub> LC <sub>50</sub> STOT-SE	Stable, bioaccumulative and toxic Strongly stable and strongly bioaccumulative Lethal dose, 50% Lethal concentration, 50% Specific target organ toxicity – single exposure		
16.3.	Key literature references and source of data:	-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classification Class		Classification prod	ssification procedure		
		_			
16.5.	Relevant H statements (number and full text)				



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Trade name:	HAYEM'S SOLUTION						
Product code:	HY-OT-X**	Date of compilation:	06 December 2023	Version: 6			

	H:	300 302 314 341 361f 372 400 410	Fatal if swallowed. Harmful if swallowed. Causes severe skin burns and eye damage. Suspected of causing genetic defects. Suspected of damaging fertility. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
16.6.	Trai	ning advice:	-
16.7.	Fur	ther 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 assessn	nent
-	



### 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 1 of 17

Trading name:	THROMBOGNOST SOLUTION						
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4		

SECTION	ON 1: Identification of	the substance	e/mixture	e and of the company/undertaking		
1.1	Product identifier					
	Trading name:	THROMBO	THROMBOGNOST SOLUTION			
	Chemical name:	-	-			
	Catalogue number:	THR-OT-X*	THR-OT-X**			
1.2	Relevant identified use	es of the subst	tance or m	nixture and uses advised against		
	Uses:		Solution	for manual counting of thrombocytes.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier of the safety data sheet					
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	person:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone number					
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:					

SECTIO	ON 2. Hazards identification						
2.1	Classification of the substance or mixture						
2.1.1	Classification according to I	Regulation (EC) No 1	272/2008 (CLP)				
	Hazard class and category code: Hazard statements*:						
	Carc. 1B H350						
2.1.2.	Additional information						
	-						
*For fu	ıll text of Hazard- and EU Haza	ard-statements: see :	SECTION 16				
2.2	Label elements						
	Product identification:	THROMBOGNO	OST SOLUTION				
	Identification number:	-					
	Authorization number:	-					



#### **SAFETY DATA SHEET**

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

Page 2 of 17

Trading name:	THROMBOGNOST SOLUTION						
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4		

	Hazard pictograms:	GHS08	
	Signal word:	Danger	
	Hazard statements:	H350 May cause cancer.	
	Precautionary statements:	P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P308+P313 IF exposed or concerned: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container according to local regulations.	
	Supplemetal hazard information (EU):	-	
2.3	Other hazards		
	Endocrine Disrupting Prope	rties:	
	No known endocrine disrupti	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.		

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)		
50-00-0/ 200-001-8/ 605-001-00-5	01-2119488953-20- XXXX	<1%	formaldehyde, 40%	Carc. 1B; H350  Muta. 2; H341  Acute Tox. 3; H331  Acute Tox. 3; H311  Acute Tox. 3; H301  Skin Corr. 1B; H314  Skin. Sens. 1; H317		

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



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Trading name:		THROMBOGNOST SOLUTION			
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4

4.3	Indication of any immediate medi	cal attention and special treatment needed		
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.		
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.		
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.		
4.2	Most important symptoms and effects, both acute and delayed			
	Self-protection of the first aider:	-		
	Following ingestion:	Rinse the oral cavity, drink at most 1-2 glasses of water. Do not induce vomiting. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.		
	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 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 inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of respiratory arrest, provide artificial respiration (while not exposing the provider). In case of unconsciousness, transport the afflicted person in the lateral position. Seeking medical advice is advised.		

SECTIO	ON 5. Firefighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media:	Water spray, dry powder, CO <sub>2</sub> or alcohol resistant foam.
	Unsuitable extinguishing media:	No information available
5.2	Special hazards arising from the substance or mixture	
	Hazardous combustion products:	Formalin solution is not flammable in itself. Gases released from the solution are flammable if the concentration of the solution is >25%. In case of combustion carbon dioxide and carbon monoxide will be released, which are heavier than air. Vapours are heavier than air and may spread along the floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.



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Trading name:	THROMBOGNOST SOLUT		SOLUTION		
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4

5.3	Advice for firefighters
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.
5.4	Additional information
	Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.

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. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.	
	Emergency procedures:	Mark the area using proper signs.	
6.1.2.	For emergency responders:		
	Use protective equipment; in a (see Section 8).	case of inadequate ventilation use adequate airways protective equipment	
6.2	Environmental precautions:		
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Nation Protection and Rescue Directorate (NPRD) on 112.		
6.3	Methods and material for con-	tainment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Sand 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 involved materials with water.	
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).	
6.4	Reference to other sections		
	See Section 7 for information	on safe handling.	
	See Section 8 for information on personal protection equipment.		
	See Section 13 for disposal information.		

SECTIO	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. Keep away from sources of ignition and heat.	



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Trading name:		THROMBOGNOST SOLUTION			
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4

	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		-	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. The	noroughly was	sh hands after work and before eating.	
7.2	Conditions for safe storage, including any incor	npatibilities		
	Technical measures and storage conditions:		htly closed and upright set containers at res ranging from +15 to +25 °C.	
	Packaging materials:	Manufactu containers	rer's original packaging. Avoid metal	
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers 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 .	
	Further information on storage conditions:	and do no	ce the unused material in the storage room t use empty containers for storing other Do not store with incompatible materials on 10).	
7.3	Specific end use(s)	·		
	Recommendations:	-		
	Industrial sector specific solutions:	-		

SECTION 8. Expos	ure contro	ols/perso	nal protec	tion				
8.1 Control pa	arameters							
Substance		CA	S No			exposure limit term values	Biological	limit values
				ppm		mg/m³		
Formaldehyde		50-	-00-0	2		2.5		-
Substance name:	-							
EC No:	-	CAS No	: -					
DNEL								
				Industr	rial			
Route of	Acu	ite	Acu	te		Chronic	(	Chronic
exposure:	effect	local	effect sy	stemic		effect local	effe	ct systemic



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Trading	name:			THR	RON	MBOGNOST S	OLUTION		
Product	code:	THR-OT-X**		Date c	of c	ompilation:	03 April 2	2023	Version: 4
			1						
Oral		-	-			-		-	
Inhalation	1	0.75 mg/m <sup>3</sup> (formaldehyde)	-			0.375 mg/m <sup>3</sup> (formaldehyde)	)	9 mg/m³ (formaldehyde)	
Dermal	nhalation  0.75 mg/m³ (formaldehyde)  - ritical physical parameters: solubility, flammab  oute of Acute effect local effect solubility  ral - nhalation remal					0.037 mg/cm <sup>2</sup> (formaldehyde)	)	240 mg/kg	(formaldehyde)
Critical ph	nysical pai	rameters: solubility,	flammal	bility, cor	ros	ivity: -			
				Co	nsu	ımer			
Route of exposure				Acute : systemic	С	Chroni effect lo	-		Chronic ct systemic
Oral		-	-						(formaldehyde)
Inhalation	1	-	-			0.1 mg/m³ (formaldehyde)	)	3.2 mg/m <sup>3</sup>	(formaldehyde)
Dermal		-	-			0.012 mg/cm <sup>2</sup> (formaldehyde)	)	102 mg/kg	(formaldehyde)
PNEC									
Environm	ental prot	tection target			PN	NEC			
Fresh wat	er				0.4	14 mg/l (formalo	lehyde)		
Freshwate	er sedime	nts			2.3 mg/kg (formaldehyde)				
Marine w	ater				0.4	14 mg/l (formalo	lehyde)		
Marine se	diments				2.3	3 mg/kg (formal	dehyde)		
Food cha	in				No	o information av	ailable		
Microorg	anisms in	sewage treatment			0.1	19 mg/l (formalo	lehyde)		
Soil (agric	cultural)				0.2	2 mg/kg (formal	dehyde)		
Air					No information available				
8.2	Exposi	ure controls							
8.2.1.	Appro	priate engineering	controls						
		ance/mixture related at exposure during			pr	e the product in otective equipm orkspace.			•
	Structi exposi	ural measures to prure:	event		In	accordance with	Section 7.		
	Organ exposi	isational measures ure:	to preve	nt		ganization of wo			ther worker's
	Techn	ical measures to pre	event exp	oosure:		cure proper wor ncentration leve	•		•
8.2.2.	Persor	nal protection equip	ment						



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Trading name:		THROMBOGNOST S	SOLUTION	<b>-</b>	
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4

8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.
8.2.2.2.	Skin protection	
	Hand protection:	The protective gloves have to satisfy the specification of Regulation (EU) 2016/425 and the related standard EN374.  Full contact:  Glove material: nitrile rubber  Glove thickness: 0.40 mm  Time until perforation: > 480 min  Splash contact:  Gloves material: polychloroprene  Glove thickness: 0.65 mm  Time until perforation: > 240 min
	Other body parts protection:	Complete suit protecting against chemicals (EN 340) The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace and shoes that cover the entire foot.
8.2.2.3.	Respiratory protection:	Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present.
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

SECT	ION 9. Physical and chemical prope	erties	
9.1	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	Visual inspection
	Colour:	dark blue - purple	Visual inspection
	Odour/odour threshold:	No information available	No information available
	Melting point / freezing point:	No information available	No information available



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Trading name:		THROMBOGNOST S	OLUTION		
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4

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

SECTIO	ON 10. Stability and reactivity	
10.1	Reactivity:	See subsections 10.3 through 10.5.
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).
10.3	Possibility of hazardous reactions:	No dangerous reactions known.
10.4	Conditions to avoid:	Sources of heat, sparks, ignition, and low temperature.
10.5	Incompatible materials:	No information available
10.6	Hazardous decomposition products:	No information available

SECTION 11. To	oxicological infor	mation			
11.1 Informa	ation on toxicologi	cal effects			
Acute to	oxicity:				
Route of exposure:	Method	Species	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure time	Results
Oral:	-	rat	LD <sub>50</sub>	No information available	100 mg/kg (formaldehyde)
Dermal:	-	rabbit	LD <sub>50</sub>	No information available	300 mg/kg (formaldehyde)



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

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

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Trading name:				THRO	MBOGN	OST S	OLUTIO	ON			
Product code:	THR-O	Γ-X**	I	Date of o	compilation	on:	03 Ap	ril 2023		Version:	4
Inhalation:	-		rat		LD <sub>50</sub>			4 h		3 mg/ (formaldeh	
1											
Specific	target orga	n toxicit	y – single ex	posure (S	STOT SE):						
		Spec	ific effects			Target	organ			Note	
Oral:	No info	ormation	available		No infor	mation	availab	le ·	-		
Dermal:	No info	ormation	available		No infor	mation	availab	le ·	-		
Inhalation:	No info	ormation	available		No infor	mation	availab	le ·	-		
Aspiration	on hazard:			No infor	mation av	ailable.					
Irritation	and corro	sion									
		Exposur	e time	Spec	ies	Evalua	tion	Method		Note	
Skin	_			_			_		_		
corrosion/irritation	n: ¯								_		
Serious eye damage/irritation	- 1			-	-	-	_		_		
:											
Sensitiza	ation	-									
Skin sensitization	•	-									
Respiratory sensi	tization:	-									
Symptoi	ms related	to the pl	nysical, chem	nical and t	toxicologic	cal char	acterist	ics			
Oral exposure:	-	_	on concentra ige, nausea, '		-	time, it	may lea	nd to sting	ing an	d digestive	
Dermal exposure	•	_	on concentra pain may o		•			•	ed by	sensation o	f
Inhalation exposu	ıre. Dep		on concentra						osa irri	tation, coug	ıh,
Eye exposure:			n concentra	tion and	ovnosuro	timo it	may loa	nd to sting	ina to	aring and n	vain
Eye exposure.	рер	ending c	on concentra	tion and	exposure	time, it	illay lea	id to stilly	ing, te	aring, and p	iairi.
Poposto	d dosa tav	city (cub	acute, subch	ronic ch	ronis)						
Repeate	u dose tox	city (suc		irorne, eri	ionic)						
	Dos	е	Exposure time	Speci	es	Metho	od	Evaluati	ion	Note	
Subacute oral	No infoi available	mation	No information available	No n inforr availa	mation Ible	No inform availal		No informa availabl		-	



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Trading name:		THROMBOGNOST S	OLUTION		
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4

Subacute dermal	No i availa	information able	No information available	No information available	No information available	No information available	on	-
Subacute inhalation	No i availa	information able	No information available	No information available	No information available	No information available	on	-
Subchronic oral	No i availa	information ible	No information available	No information available	No information available	No information available	on	-
Subchronic dermal	No i availa	information ible	No information available	No information available	No information available	No information available	on	-
Subchronic inhalation	No i availa	information ible	No information available	No information available	No information available	No information available	on	-
Chronic oral	No i availa	information ible	No information available	No information available	No information available	No information available	on	-
Chronic dermal	No i availa	information able	No information available	No information available	No information available	No information available	on	-
Chronic	No i	information	No	No	No	No		
	availa	ıble	information available	information available	information available	information available	on	-
inhalation			available	available	available		on	-
inhalation			available y – repeated e	available xposure (STOT	available RE):	available	on	
inhalation Specific		organ toxicit	available y – repeated e Specific effec	available xposure (STOT	available RE): Target o	available		Note
Specific Subacute oral	target	organ toxicit	y – repeated e Specific effection available	available xposure (STOT	available  RE):  Target o  No information	available rgan n available	-	
Specific Subacute oral Subacute derma	target	organ toxicit No informa No informa	y – repeated e Specific effection available tion available	available xposure (STOT	available  RE):  Target o  No information  No information	available rgan n available n available		
Specific Subacute oral Subacute derma Subacute inhalat	target	organ toxicit No informa No informa No informa	y – repeated e Specific effection available tion available tion available	available xposure (STOT	available  RE):  Target o  No information	available rgan n available n available n available	-	
inhalation	target	organ toxicit  No informa  No informa  No informa  No informa	y – repeated e Specific effection available tion available	available xposure (STOT	RE):  Target o  No information No information	available rgan n available n available n available n available	-	
Specific Subacute oral Subacute derma Subacute inhalat Subchronic oral	target	No informa No informa No informa No informa No informa No informa	y – repeated e Specific effection available tion available tion available	available xposure (STOT	available  RE):  Target o  No information  No information  No information  No information	available n available n available n available n available n available	-	
Specifical Subacute oral Subacute derma Subacute inhalate Subchronic oral Subchronic derm Subchronic derm Subchronic inhalate	target	No informa	y – repeated e Specific effection available tion available tion available tion available	available xposure (STOT	RE):  Target o  No information No information No information No information No information	available n available n available n available n available n available n available	-	
Specifical Subacute oral Subacute derma Subacute inhalat Subchronic oral Subchronic derm	target	No informa	y – repeated e Specific effection available tion available tion available tion available tion available tion available	available xposure (STOT	available  RE):  Target o  No information No information No information No information No information No information	available n available	-	



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Trading name:	THROMBOGNOST SOLUTION						
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4		

	Mutagenicity in vitro:	No information available.
	Genotoxicity:	No information available.
	Mutagenicity in vivo:	No information available.
	Germ cell mutagenicity:	No information available.
	Reproductive toxicity:	No information available.
	Summary of evaluation of the CMR properties:	No information available.
11.2.	Information on other hazards:	
11.2.1.	Endocrine disrupting properties:	
	No known endocrine disrupting properties that affect human health.	
11.2.2.	Other informations:	
	-	

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	Pimephales promelas	-	6.7 mg/l (formaldehyde)	-		
Crustacea:	EC <sub>50</sub>	48 hours	Daphnia magna	-	5.8 mg/l (formaldehyde)	-		
Algae/aquatic plants	IC <sub>50</sub>	4 days	algae	-	4.89 mg/l (formaldehyde)	-		
Other organisms	-	-	-	-	-	-		
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC <sub>50</sub>	96 hours	No information available	No informatio n available	No information available	-		
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No informatio n available	No information available	-		
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No informatio n available	No information available	-		



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Trading name:		THROMBOGNOS				NOST SOLUTION			
Product code:	THR-OT-X**	THR-OT-X** Date of		te of compila	ation:	03 April 202	Wersion:	4	
	:					:	i i		
Other organisms	-	-	_		-	-	-		
12.2 Persister	nce and degrada	bility							
Abiotic	degradation								
	Degradation l	nalf-lives		Method		Evaluation	Note		
Marine water	No information	available	No ir availa	nformation able	No in availa	formation able	-		
Fresh water	No information	available	No ir availa	nformation able	No in availa	formation able	-		
Air	No information	available	No ir availa	nformation able	No in availa	formation able	-		
Soil	No information	available	No ir availa	nformation able	No in availa	formation able	-		
,									
Biodegra	adation		2						
% Degradation Time (days)		Method			Evaluation	Note			
No information						formation	No information		
available	available		available avail		availa	able	available		
12.3 Bioaccui	mulativa natanti	ما							
	mulative potenti -water partition		log Ko	١٨٨)					
	Concentration	pH	°C	Method		Evaluation	Note		
	Concentration			- IVIETHOU		- Lvaluation	- Note		
Bioconc	entration factor	(BCF)							
Value	Spec			Method		Evaluation	Note		
No information		nformation	No in	formation	No	information			
available	available		availa			ilable	-		
1									



#### SAFETY DATA SHEET

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Trading name:	THROMBOGNOST SOLUTION						
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4		

Value	Dose	Exposure time	Species	Method	Evaluation	Note	
Chronic toxicity on fish	LC <sub>50</sub>	No information available	No information available	No informati on available	No information available	-	
Chronic toxicity on crustacea ( <i>Daphnia</i> )	EC <sub>50</sub>	No information available	No information available	No informati on available	No information available	-	
12.4 Mobility in soil							
Known or predicted distribution in environmental compartments:							

12.7	Wiobility III 30	/11									
	Known or pre	edicted distributi	on in environmental	compartments:							
	No information	No information available									
	Surface tension	on:									
	Value	°C	Concentration	Method	Note						
	No information available	No information available	No information available	No information available	-						

Adsorption / desorption
-------------------------

		I				
Transport	A/D coefficient Henry's constant		log Kow	Evaporation rate	Method	Note
Soil-water	No available	information	No information available	No information available	No information available	-
Water-air	No available	information	No information available	No information available	No information available	-
Soil-air	No available	information	No information available	No information available	No information available	-

#### 12.5. Results of PBT and vPvB assessment

No information available

#### 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.



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Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version: 4				

12.7.	Other adverse effects						
	No information available						
SECTION	N 13. Disposal considerations						
13.1	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
		led of according to the national and local rules and regulations. Do not Submit for disposal to the legal person authorized by the Ministry of tection.					
13.1.2.	Waste codes/waste designation						
	15 01 10*: packaging that cont substances	15 01 10*: packaging that contains residual hazardous substances or is contaminated with hazardous substances					
13.1.3.	Waste treatment – relevant info	ormation:					
	No information available						
13.1.4.	Sewage disposal – relevant information:						
	Waste must not be disposed o	f into the sewage system.					
13.1.5.	Other disposal recommendation	ons:					
	authorized by the ministry in cl	s remains into the sewage system. Submit the remains to the collectors harge. Do not dispose of the packaging into the sewage system. Submit authorized by the ministry in charge.					
13.1.6.	Relevant Community provision	s:					
	Directive 2009/98/EC on waste	and repealing certain directives.					
SECTION	N 14 TRANSPORT INFORMATIO	ON CONTRACTOR OF THE CONTRACTO					
	Transporting/shipment by road (	ADR)					
UN number:		Not subject to transport regulations					
UN proper shipping name:		-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environr	nentally hazardous:	-					
Special p	precautions for user:	-					



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Trading name:	THROMBOGNOST SOLUTION						
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UN number:	Not subject to transport regulations		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		
Special precautions for user:	-		
Inland waterway transport (ADN)			
UN number:	Not subject to transport regulations		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by sea (II	MDG)		
UN number:	Not subject to transport regulations		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-		
Transporting/shipment by air (IC	AO-TI/IATA-DGR)		
UN number:	3334		
UN proper shipping name:	Aviation regulated liquid, n.o.s. (formaldehyde)		
Transport hazard class(es):	9		
Packing group:	III		
Environmentally hazardous:	None		
Special precautions for user:	No information		

#### SECTION 15. Regulatory information

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



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

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Trading name:		OLUTION			
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4

	EU regulations			
	Authorization and/or restri	ctions 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		
	Information according 1999 guideline)	9/13/EC about limitation of emissions of volatile organic compounds (VOC-		
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act		
15.2	Chemical safety assessmen	t		
	None			

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

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Trading name:					
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16.2	Abk	previations and acronyms	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:		-		
16.4.	Classification and procedure 1272/2008 (CLP)		used to derive the classification for mixture according to Regulation (EC)		
Classifi	Classification		Classification procedure		
-			-		
16.5.	.5. Relevant H statements (num		per and full text)		
		301+311+331	Toxic if swallowed, in contact with skin or if inhaled.		
		314	Causes severe skin burns and eye damage		
	H:	317	May cause allergic skin reaction.		
		341	Suspected of causing genetic defects.		
		350	May cause cancer.		
16.6.	6. Training advice: -		-		
16.7.	Furi	ther 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

-



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

amended by Regulation (EU) No. 2020/878

Trading name: TUERK'S SOLUTION

Product code: TU-OT-X\*\* Date of compilation: 14 November 2022 Version: 5

SECTION	ON 1: Identification of t	the substan	ce/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	TUERK'S SOL			
	Chemical name:	-			
	Catalogue number:	TU-OT-X*	*		
1.2.	Relevant identified use	Relevant identified uses of the substance or mixture and uses advised against			
	Uses:		Solution f	or manual counting of leukocytes.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advis	sed against:	device, re	duct is intended for use only as an <i>in vitro</i> diagnostic medical registered at the Agency for Medicinal Products and Medical and there is no reason to use it for other purposes	
1.3. Details of the supplier of the safety data sheet					
	Address: N		BioGnost Ltd.  Medjugorska 59, Zagreb  +385 1 2409997		
	Fax no.:	-	+385 1 2404039		
	e-mail of competent p	erson: <u>ı</u>	msds@biogn	sds@biognost.hr	
	National contact:	-	-		
1.4.	Emergency telephone number				
	National Protection an	nd Rescue Di	rectorate:	112	
	Medical information: Other information:			+385 1 2348 342	
				-	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and catego	Hazard statements*:			
	Not identified as hazardous sub	stance.	-		
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:	TUERK'S SOL	JTION		
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	-			



**Endocrine Disrupting Properties:** 

No known endocrine disrupting properties.

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

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Trading na	me:	TUERK'S SOLUTION						
Product code: TU-OT-X**		Date of compilation:	14 November 2022	Version: 5				
Signal word:		-						
Ha	zard statements:	-						
Pre	ecautionary statements:	-						
Supplemetal hazard information (EU):		ation -						
2.3 Otl	her hazards							

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

SECTIO	ECTION 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 air	der: Treat symptomatically.						
4.2.	Most important symptoms a	nd effects, both acute and delayed						
	Following inhalation:	Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea.						
	Following skin contact:	Slight irritation. After short exposure, resorption effects are not likely. Longterm exposure may cause drying, cracking and tingling sensation of skin.						
	Following eye contact:	Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation.						



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Trading name:	TUERK'S SOLUTION						
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	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.			
4.3.	Indication of any immediate medical attention and special treatment needed				
	-				

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



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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.				
6.3.3.	Other information:	-				
6.4.	Reference to other sections					
	See Section 7 for information about secure handling. See Section 8 for information about personal protective equipment. See Section 13 for information about containment.					

	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 generati	ion:	Secure proper ventilation.					
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.					
	Other measures:		-					
7.1.2.	Advice on general occupational hygiene:							
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.							
7.2.	Conditions for safe storage, including any incompatibilities							
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in ventilated storage rooms, and away from sources of sunlight, and other incompatible substances.						
	Packaging materials:	Maı	nufacturer's original packaging.					
	Requirements for storage rooms and vessels:		ep away from food and drink. Keep the containers ntly closed.					
	Advices for storage equipment:	The storage must be made of hard material; floors no be resistant to chemicals. There must be no drain the directly leads into sewage system. Secure proper ventilation.						
	Further information on storage conditions:	and che	not place the unused material in the storage room I do not use empty containers for storing other micals. Do not store with incompatible materials (see tion 9).					



Soil (agricultural)

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

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								rage 5 or	10
Trading name:					TUERK'S	SOLUTION			
Product code:	TU-OT-	X**	Date o	of cor	mpilation:	14 Novem	ber 2022	Version:	5
Recomm	endations:				-				
Industria	sector spe	ecific solution	ns:		-				
SECTION 8. Expo		ols/persona	l protec	tion					
8.1. Control p	arameters	T		l			T		
6.1.		646			•	xposure limit term values	D: 1		
Substanc	e	CAS	No			mg/m <sup>3</sup>	Riolo	gical limit valu	es
		_			opm	-	No informa	tion available	
		_					NO IIIIOIIIIa	tion available	
Substance									
name:									
EC No: -		CAS No:	-						
DNEL									
				Inc	dustrial				
Acute Acu			Acut	e	Chronic		Chronic	2	
Route of exposure	eff	ect local effect sys		ct sys	temic	effect local		effect syste	emic
Oral	_		-		-				
Inhalation					-				
Dermal	-		-			-	-		
Critical physical pa	rameters:	solubility, fla	mmabilit	ty, cor	rosivity:	-			
			1	Co	nsumer				
Route of exposure	١•	Acute		Acut	е	Chron		Chronic	2
- Troute of exposure	eff	ect local	effe	ct sys	temic	effect local		effect syste	emic
Oral	-		-			-	-		
Inhalation	-		-			-	-		
Dermal			-			-			
PNEC									
Environmental protection target				PNEC					
Fresh water				No information available					
Freshwater sediments					nation availabl				
Marine water				No information available					
Marine sediments					No information available				
Food chain					No information available				
Microorganisms in sewage treatment				No information available					

No information available



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Air			No information available		
8.2.	Exposure controls				
8.2.1.	Appropriate engineering	controls	S		
	Substance/mixture relate 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 prexposure:	revent	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to preexposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equipment				
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				
U.L.L.L.			tective gloves must be according to the EU Directive 2016/425/EEC and adard EN 374.		
	Hand protection:		Glove material: nitrile rubber		
			Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long es (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	ective full face mask (EN 136) or half mask (EN 140) equipped with a for organic vapors, type "A" (boiling point >65°C) acording to EN 7) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	formation available		
8.2.3.	Environmental exposure	controls	S		
	Substance/mixture relate measures to prevent expe		See Section 6		
	Structural measures to pr 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 preexposure:	event	See Section 6		

#### **SECTION 9. Physical and chemical properties**



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Product code:	TU-OT-X**	Date of compilation: 14 November 2022	Version: 5	

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

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

#### **SECTION 11. Toxicological information**



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Product code:	TU-OT-X**	Date of compilation:	14 November 2022	Version: 5

Acute toxic	n on hazard classes as itv:	<u> </u>	,	•		
Route of exposure:	Method	Species	Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure 1	time	Results
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 tar	get organ toxicity – siı	ngle exposure (S	TOT SE):			
	Specifi	c effects	Target	t organ		Note
Oral exposure:	No information a	available	No informati	on available	-	
Dermal exposure:	No information a	available	No informati	on available -		
Inhalation exposure:	No information a	available	No informati	No information available -		
		i .	mation available			
Irritation ar	nd corrosion:  Exposure time	Species		Method		Note
:	nd corrosion:  Exposure time	Species -	Evaluation -	Method		Note
Skin irritation:	Exposure time		Evaluation			Note
Skin irritation:	Exposure time	-	Evaluation -	-		Note
Skin irritation:	Exposure time -	-	Evaluation -	-		Note
Skin irritation: Eye irritation: Sensitizatio	Exposure time -	-	Evaluation -	-		Note
Skin irritation: Eye irritation:	Exposure time	- - able	Evaluation -	-		Note
Skin irritation:  Eye irritation:  Sensitizatio  Dermal exposure:  Inhalation  exposure:	Exposure time No information availa	able	Evaluation - -			Note
Skin irritation:  Eye irritation:  Sensitizatio  Dermal exposure:  Inhalation exposure:  Symptoms	Exposure time  No information availation	able able l, chemical and t	Evaluation - -			Note
Skin irritation:  Eye irritation:  Sensitizatio  Dermal exposure:  Inhalation exposure:  Symptoms  Oral exposure:	Exposure time No information availa No information availa related to the physica	able I, chemical and t	Evaluation - -			Note
Skin irritation:  Eye irritation:  Sensitizatio  Dermal exposure:  Inhalation  exposure:	Exposure time  No information availa  No information availa  related to the physica  No information av	able I, chemical and tailable	Evaluation - -			Note



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Trading name:	TUERK'S SOLUTION			
Product code:	TU-OT-X**	Date of compilation:	14 November 2022	Version: 5

	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 exposu	ure (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	-



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Trading name:	TUERK'S SOLUTION			
Product code:	TU-OT-X**	Date of compilation: 14 November 2022	Version: 5	

Chronic	c inhalation	No informa	tion available	No information available	-			
	CMR effects	CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)						
	Carcinogenic	ity:	Current studies	on test animals did not indicate ca	rcinogenic effects.			
	Mutagenicity	ı in-vitro:	Current in vitr	o tests did not indicate mutageni	c effects.			
	Genotoxicity	•	No information	available				
	Mutagenicity <i>in-vivo</i> :  Germ cell mutagenicity:  Reproductive toxicity:  Current <i>in vi</i> No information  No toxicity of		Current in vivo	tests did not indicate mutagenio	c effects.			
			No information available					
			No toxicity or organs.	reproductive organs was deter	mined in reproductive			
	Summary of	evaluation of th	ne CMR properties:	-				
11.2.	Information of	on other hazard	ls:					
11.2.1.	Endocrine dis	srupting proper	ties:					
	No known er	ndocrine disrup	ting properties that	affect human health.				
11.2.2.	Other inform	ations:						
	-							

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 (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	-



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Algae/aquatic plants		nts IC <sub>50</sub> 72 hours		rc	No information available		availahla		ormation -		1
Other organis	sms	-	-	-		-		-		-	
		and degradak	oility								
ADIO	tic degr	gradation hal	f_lives		Method		Εν	/aluatio	nn .		Note
Marine water		formation av		No in	formation availa	ble	No informa			-	Note
Fresh water	No in	formation av	ailable	No in	formation availa	ıble	No informa	tion av	ailable	-	
Air		formation av		No in	formation availa	ble	No informa			-	
Soil	No in	formation av	ailable	No in	formation availa	ble	No informa	tion av	ailable	-	
Biode	egradati	ion	1								
% Degradation	on	Time (days			Method		Evaluation			Note	
% Degradation	on No	Time (days	mation	No info	ormation		Evaluation o information railable	1	No infor	mation	
% Degradation	on No	Time (days	mation		ormation		o information	1		mation	1
% Degradation No information available	on No	Time (days	mation		ormation		o information	1		mation	
% Degradation No information available  12.3. Bioaco	on No ava ccumula nol-wat	Time (days o informaliable ative potential	mation	availab	ormation le ow)		o information railable	1		mation	
% Degradation No information available 12.3. Bioaco	ccumula nol-wat	Time (days	mation	availab	ormation le ow) Method	av	o information railable Evaluati	ion		mation	
% Degradation No information available  12.3. Bioaco Octa Value	ccumula nol-wat	Time (days	mation Il	availab	ormation le ow)	av	o information railable	ion		mation	
% Degradation No information available  12.3. Bioaco Octa Value	ccumula nol-wat	Time (days	mation Il	availab	ormation le ow) Method No informatio	av	e information railable Evaluati	ion		mation	
% Degradation No information available  12.3. Bioaco Octa Value	ccumula nol-wat No in availabl	Time (days	nation	availab	ormation le ow) Method No informatio	av	e information railable Evaluati	ion		mation	
% Degradation No information available  12.3. Bioaco Octa Value	ccumula nol-wat No in availabl	Time (days	nation  Il coefficient pH -	availab	ormation le ow) Method No informatio	av	e information railable Evaluati	ion tion		rmation	e



No adverse effects are expected.

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Produc	ct code	: TU	-OT-X**	Date of co	mpila	ation:	14 No	vember	2022	Versi	on: 5
	Valu	e	Dose	Exposure time	Spe	ecies	Met	hod	Evaluat	ion	Note
Chronic toxicity on fish		LC <sub>50</sub>	information	No inforr availa	mation ible	No informa availab	ation	No information available	on	-	
	c toxicity ea ( <i>Dap</i>		EC <sub>50</sub>	information	No inforr availa	mation ible	No informa availab	ation	No informatio available	on	-
12.4.	Mobil	ity in soil									
	Knowi	n or pred	icted distributi	on in environme	ntal c	ompartr	ments:				
	No inf	formation	n available								
	Surfac	e tension	):								
	Va	llue	°C	Concentrati	on		Metho	od		No	ote
	information in		No information available	No information	No information available		<b>1</b>				
	Adsor		esorption								
Transpo	ort	-	oefficient s constant	log Kow	Εv	/aporatio	on rate	Me	thod		Note
Soil-wa	nter :	No available	information	No information available		o inform ailable	ation	No info		-	
Water-	air	No available	information	No information available		o inform ailable	ation	No info		-	
Soil-air	•	No available	information	No informatior available		o inform ailable	ation	No info		-	_
12.5.	Result	s of PRT	and vPvB asses	ssment							
12.3.			and vi vb asses	Janient							
	. 40 1111	. 51.11411011	. aranabic								
12.6.	Endoc	rine disru	upting properti	ies							
				ng properties the	at aff	ect the e	nvironn	nent.			
	1		<u> </u>	: :							
12.7.	Other	r adverse	effects								
	NI-	d		4 a al							



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SECTION 13. Disposal considerations				
·				
waste treatment methods				
Product/Packaging disposal:				
Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.				
:				
Waste codes/waste designation	ons according to Law:			
No information available				
Waste treatment – relevant in	formation:			
No information available				
Sewage disposal – relevant in	formation:			
Waste must not be disposed	of into the sewage system.			
Other disposal recommendati	ions:			
authorized by the ministry in	t's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit rs authorized by the ministry in charge. Do not dispose of in places where			
Relevant Community provisio	ns:			
-				
14. Transport information				
Transporting/shipment by road	(ADR)			
per:	Not subject to transport regulations.			
er shipping name:	-			
t hazard class(es):	-			
group:	-			
group: entally hazardous:	-			
-				
entally hazardous:	-			
recautions for user:	-			
	Waste treatment methods  Product/Packaging disposal: Submit for disposal to the leg Protection.  Waste codes/waste designation No information available  Waste treatment – relevant in No information available  Sewage disposal – relevant in Waste must not be disposed of the product authorized by the ministry in the packaging to the collector ignition may occur.  Relevant Community provision—  I 14. Transport information Transporting/shipment by road over: er shipping name:			



Trading name:

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Transport bazard a	lace(oc):							
Transport hazard class(es):								
Packing group:		-						
Environmentally ha		-						
Special precautions		_						
	terway transport (A							
UN number:		Not subject to transport	regulations.					
UN proper shipping	g name:	-						
Transport hazard c	lass(es):	-						
Packing group:		-						
Environmentally ha	azardous:	-						
Special precautions	s for user:							
Transporti	ing/shipment by se	a (IMDG)						
UN number:		Not subject to transport regulations.						
UN proper shippin	g name:	-	-					
Transport hazard c	lass(es):	-	-					
Packing group:		-	-					
Environmentally ha	ızardous:	-	-					
Special precautions	s for user:	-						
Transporti	ing/shipment by air	r (ICAO-TI/IATA-DGR)						
UN number:		Not subject to transport	Not subject to transport regulations.					
UN proper shippin	g name:	-	-					
Transport hazard c	lass(es):	-	-					
Packing group:		-	-					
Environmentally ha	ızardous:	-	-					
Special precautions	s for user:	-	-					
-		i						
Further information	n: The produc	ct is not subject to classificatio	n.					

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



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g N	nformation according 1999/ guideline) National legislation: Chemical safety assessment	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);  713/EC about limitation of emissions of volatile organic compounds (VOC-Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
g	guideline)	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);  (13/EC about limitation of emissions of volatile organic compounds (VOC-Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on
	_	amending and repealing Directives 67/548/EEC and 1999/45/EC, and amendin Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certaid dangerous substances, mixtures and articles (Annex XVII);
		amending and repealing Directives 67/548/EEC and 1999/45/EC, and amendin Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain
		amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;
		Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 1 December 2008 on classification, labelling and packaging of substances and mixture
		Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safe of workers from the risks related to chemical agents at work;
0	Other EU regulations:	Restriction of Chemicals (REACH), establishing a European Chemicals Agency amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/5 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EE and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 200 on the limitation of emissions of volatile organic compounds due to the use of organ solvents in certain paints and varnishes and vehicle refinishing products and amendin Directive 1999/13/EC;

SECTIO	SECTION 16. Other information				
16.1.	Indication of changes:	-			
		PBT	Stable, bioaccumulative and toxic		
		vPvB	Strongly stable and strongly bioaccumulative.		
16.2.	Abbreviations and acronyms:	LD <sub>50</sub>	Lethal dose, 50%		
		LC <sub>50</sub>	Lethal concentration, 50%		
		STOT-SE	Specific target organ toxicity - single exposure		
16.3.	Key literature references and source of data:	_			
16.4.	16.4. Classification and procedure use 1272/2008 (CLP)		e classification for mixture according to Regulation (EC)		
Classifi	cation	Classification procedure			
_	-				
16.5.	16.5. Relevant H statements (number				
	H: -				



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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	g to Chemical safety assessment
-	