

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			l of the company/undertaking	
	Trade name:	HAYEM'S SOLUTION			
	Chemical name:	_			
	Catalogue number:	HY-OT-X**			
1.2.	J	of the substance	or mixtu	re and uses advised against	
	Uses:		Solution for manual counting of erythrocytes in microscopy.		
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advised	d against:	medical	duct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products dical Devices and there is no reason to use it for other es.	
1.3.	Details of the supplier of	f the safety data s	sheet		
	Supplier:	BioGnost Lt			
	Address:	Medjugorska 59, Zagreb), Zagreb	
	Telephone number:	+385 1	2409997	7	
	Telefax:	+385 1	2404039)	
	e-mail of competent per	rson: <u>msds@biogno</u>		<u>t.hr</u>	
	National contact:	-			
1.4.	Emergency telephone nu	umber			
	National Protection and	Rescue Directora	ate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	ECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture						
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)						
	Hazard class and 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			

SECTI	TON 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:		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 for at least 15 minutes with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.	
	Following ingestion:		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.	
	Self-protection of the first aid	der	Avoid direct contact with the chemical; use appropriate protective equipment described in Section 8.	
4.2.	Most important symptoms a	and effects, both acute and delayed		
	Following inhalation:	irritat	cause respiratory tract irritation. Breathing Mercuric Chloride can e 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 cause irritation. May be absorbed through the skin in harmful amounts.		
	Following eye contact:	May cause irritation, redness, pain and tearing.		
	Following ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed. Mercuric Chloride may cause liver and kidney damage.		
4.3.	Indication of any immediate	medica	al attention and special treatment needed	
	No information available			

SECTIO	SECTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Water spray, alcohol-resistant foam, dry chemical or CO ₂			
	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	SECTIO	6. Accidental rel	ease measures
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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	e 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 conta	ainment 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:	-		

SECTIO	ECTION 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 incompatibilities					



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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:	-

SECTION 8. Exposure controls/personal protection								
8.1. Co	ntrol para	rameters						
Substance C		CAS No			Occupational exposure limit values/short term values		Biological limit values	
					ppm	mg/m³		
mercuric ch	oride		7487-94	-7	-	0,02	No	information available
Substance:	ance: -							
EC No:	- CAS No		CAS No:	-	-			
DNEL								
					Industrial			
Pouts of ov	ocuro:	Acu	te effect		Acute effect Chronic effe		effect	Chronic effect
Route of ex	osure.	ire: local		systemic		local		systemic
Oral -			-		-		-	
Inhalation -		-		-		-		-
Dermal		-		-		-		
Critical phys	ical parar	neters: s	olubility, flar	nmab	ility, corrosivity:			•
					Consumer			



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kposure:	local	S	ystemic	local	systemic	
		systemic			Systerric	
	-	-		-	-	
	-	-		-	-	
	-	-		-	-	
ntal protec	tion target		PNEC			
Fresh water				rmation available		
sediments	5		No info	rmation available		
ter			No info	rmation available		
liments			No info	rmation available		
l			No info	rmation available		
nisms in se	wage treatment		No info	rmation available		
ltural)			No info	rmation available		
Air			No info	rmation available		
Exposure controls						
Appropriate engineering controls						
	· ·		•	Jse the product in well ventilated rooms. Use personal		
		ıre	protective ec workspace.	protective equipment. Do not eat, drink or smoke in the workspace.		
	•	ent	No informati	lo information available		
		prevent	-	Organization of work in order to reduce other worker's nfluence during work process.		
		ent		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
Personal	protection equipme	ent:				
Eye and	face protection:	Safety	glasses that st	ick to face (EN166) or vis	or.	
Skin prot	tection:					
materials: - polychloro - nitrile rubl			als: hloroprene, 0. rubber, 0.35 r rubber, 0.5 m	5 mm, mm, m,	ı) made of following	
	sediments ter liments hisms in second and se	sediments ter liments misms in sewage treatment litural) Exposure controls Appropriate engineering conduction during identified uses: Structural measures to prevent exposure exposure: Organisational measures to exposure: Technical measures to prevent exposure: Personal protection equipm Eye and face protection: Skin protection:	sediments ter liments Exposure controls Appropriate engineering controls Substance/mixture related measures to prevent exposure during identified uses: Structural measures to prevent exposure: Organisational measures to prevent exposure: Technical measures to prevent exposure: Personal protection equipment: Eye and face protection: Safety or Skin protection: Hand protection: Protect material polyce in trile butyle	r No information sediments No information sediments No information in sewage treatment	No information available sediments No information available liments No information available Exposure controls Appropriate engineering controls Substance/mixture related measures to prevent exposure during identified uses: Structural measures to prevent exposure: Organisational measures to prevent exposure: Organisational measures to prevent exposure: Secure proper workspace ventilation i concentration levels in air below perm Personal protection equipment: Eye and face protection: Safety glasses that stick to face (EN166) or vision materials: - polychloroprene, 0.5 mm.	



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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 expo		See Section 6		
	Structural measures to pre exposure:	vent	Use modern equipment.		
	exposure: t		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
	Lover and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	pH:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient noctanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density	No information available	No information available



Aspiration hazard:

No information available

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

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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.						

11.1. Inform	ation on toxicological e	effects			
Acute t	oxicity:				
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral:	No information _ No information _ available available		-	No information available	
Dermal:	No information No information available available		-	No information available	
Inhalation:	No information available	-	No information available	-	No information available
Specifi	c target organ toxicity -	- single expos	ure (STOT SE):		
	S	Specific effects		get organ	Note
Oral:	No information av	mation available		-	
Dermal:	No information av	/ailable	-	-	
Inhalation:	halation: No information available		-	-	



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			Exposure time	Species	Evaluation	Method	Note				
Skin corrosion/irritat	ion	_		-	-	-	No information available				
Serious eye damage,	/irritation	_		-	-	-	No information available				
Sensitizatio	n										
Skin sensitization:		No inf	ormation available								
Respiratory sensitiza	tion:	No inf	ormation available								
Symptoms	related to	the phy	sical, chemical and	toxicological c	naracteristics						
Oral exposure:	H	armful i	f swallowed.								
Dermal exposure:	М	ay caus	e irritation. May be	harmful if abso	orbed through	skin.					
Inhalation exposure:	М	ay be h	y be harmful if inhaled. May cause respiratory tract irritation.								
Eye exposure:	Irı	itation	tion and swelling may occur after direct contact with eyes.								
Repeated d	ose toxicit	y (suba	cute, subchronic, ch	ronic)							
	Do	se	Exposure time	Species	Method	Evaluation	on Note				
Subacute oral	No informat available	-	No information available	No information available	No information available	No information	on -				
Subacute dermal	No informat available		No information available	No information available	No information available	No information	on -				
Subacute inhalation	No informat available		No information available	No information available	No information available	No information available	on -				
Subchronic oral	No information available		No information available	No information available	No information available	No information available	on -				
Subchronic dermal No information available		No information available	No information available	No information available	No information available	on -					
Subchronic inhalation	No informat	tion	No information available	No information	No information	No information	on -				



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Chronic oral	No information available	information No information information		No information available	No informa availab			
Chronic dermal	No information available	No information available	No information available	No information available	No informa availab			
Chronic inhalation	No information available	No information available	No information available	No information available	No informa availab			
Specific ta	rget organ toxicit	y – repeated exposu	ITA (STOT RE)					
эресте ш	3	pecific effects		arget organ		Note		
Subacute oral		nation available		No information available		-		
Subacute dermal	No inform	nation available	No informa	No information available		_		
Subacute inhalation	n No inform	nation available	No information available			-		
Subchronic oral	No inform	No information available		No information available		-		
Subchronic dermal	No inform	No information available		No information available		-		
Subchronic inhalati	on No inform	No information available		No information available		-		
Chronic oral	No inform	nation available	No information available			-		
Chronic dermal	No inform	nation available	No informa	No information available		-		
Chronic inhalation	No inform	nation available	No informa	ation available		_		
CMR effec	ts (carcinogenicit	y; mutagenicity; repi	oductive toxicit	ty)				
Carcinoge	nicity:	·	ARC: Group 3: N	Not classified as	carcinog	genic to human		
Mutagenio	Mutagenicity <i>in-vitro</i> :			available				
Genotoxic	Genotoxicity:			available				
Mutagenio	city in-vivo:	Ŋ	No information	available				
Germ cell	mutagenicity:	Ŋ	No information available					
Reproduct	tive toxicity:	١	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:

No information available

Summary of evaluation of the CMR

properties;



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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 ₅₀	96 hours	No information available	No informat available	intormation	-
Crustacea:		EC ₅₀	48 hours	No information available	No informat available	int∩rmation	-
Algae/aquatic p	olants:	IC ₅₀	72 hours	No information available	No informat available	intormation	-
Other organisms:		-	-	No information available	No informat available	intormation	-
Chronic (long-t toxicity	erm)	Doza	Exposur e time	Species	Method	Evaluation	Note
Fish:		LC ₅₀	96 hours	No information available	No informat available	ion No information available	-
Crustacea:		EC ₅₀	48 hours	No information available	No informat available	ion No information available	-
Algae/aquatic p	olants:	IC ₅₀	72 hours	No information available	No informat available	ion No information available	-
Other organism	ns:	-	-	No information available	No informat available	ion No information available	-
				:	1	i	:
12.2. Persist	ence and	degradab	ility				
Abioti	degrada	tion		1			
Degradation half-lives		Metho	od	Evaluation	Note		
Marine water	No info	rmation av	vailable	No information	No information available		on -
Fresh water No information available		vailable	No information	available	No information	on -	



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Air No information available		No information available		ble No informa		mation	-				
Soil	No inform	nation avail	able	No	information a	vailable	No ava	inform ailable	mation	-	
Biodeg	radation										
% Degradation		 Γime (days)		M	1ethod	Ev	valuation		N	lote	
No information available		ormation ble		No info		No info	ormation le		informa ilable	ation	
	ol-water par Concen No infa	tition coeff	icient (pH -	log Kow	Metho	d mation	Eva No availabl	aluation informatio	on -	No	ote
	centration f)								
Value		Species		Method			Evaluation		Note		
No information available	availat	ormation ble		No information available			No information available		No information available		1
Chronic	c ecotoxicit	W									
Value		Dose		osure ime	Species		Method	Evaluat	ion	1	Note
Chronic toxicity on fish		LC ₅₀	No infor	mation able	No information available	01	formati	No informat available		-	
Chronic toxicity on crustacea (Daphnia)		EC ₅₀	No infor availa	mation able	No information available	N in	formati	No informat available		-	



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								T			
						available					
12.4.	Mohil	ity in so	il								
12.1.	1			on in environment	tal compartme	nts:					
		······	n available								
	Surfac	e tensic	n:								
	Va	lue	°C	Concentratio	n N	/lethod		Note			
	No inforn availa		No information available	No information available	n No inform available	nation	-				
	Adsor	ption/d	esorption								
Transpo	ort	-	coefficient y's constant	log Kow	Evaporation	rate Met	hod	Note			
Soil-Wa	ater	No info	ormation le	No information available	No informati available	on No informavailable	mation	-			
Water-	Air	No info	ormation le	No information available	No informati available	on No informavailable	mation	-			
Soil-Air	٢	No info	ormation le	No information available	No informati available	on No informavailable	mation	-			
12.5.	Result	s of PBT	and vPvB asses	ssment							
	i	-		mponente koje se o bioakumulirajuć		-	-				
12.6.	Endo	rine dis	rupting properti	es							
	57(f),	propisa	o Registraciji, o	•	avanju i ograni	čavanjju kemika	lija (REA	upcije prema članku CH), ili delegiranoj ili više.			
12.7.		adverse	, , ,								
	No in	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	rail (RID)					
UN number:	Not subject to transport regulations.					
UN proper shipping name:	_					
Transport hazard class(es):	-					
Packing group:	-					
Environmental hazards:	-					



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Special precautions for user:	-			
Transporting/shipment by inland waterways (ADN)				
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 sea (IN	MDG)			
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmental hazards:	-			
Special precautions for user:	-			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:				
Transporting/shipment by air (ICA	AO-TI/IATA-DGR)			
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmental hazards:	-			
Special precautions for user:	-			
Further information: The product is n	not subject to classification.			

SECTIO	ON 15. Regulatory info	rmation		
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture			
	EU regulations			
	Authorisations and/or	r restrictions on use		
	Authorisations:	-		
	Restrictions:			



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

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 ₅₀	Lethal dose, 50%	
			LC ₅₀	Lethal concentration, 50%	
			STOT-SE	Specific target organ toxicity – single exposure	
16.3.	16.3. Key literature references and source of data:		-		
16.4. Classification and procedure used to 1272/2008 (CLP)		to derive the cla	assification for mixture according to Regulation (EC)		
Classific	Classification Class		sification procedure		
_					



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Trade name:	HAYEM'S SOLUTION			
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16.5.	Rele	evant H statements (num	ber and full text)
		300	Fatal if swallowed.
		302	Harmful if swallowed.
		314	Causes severe skin burns and eye damage.
	H:	341	Suspected of causing genetic defects.
	п.	361f	Suspected of damaging fertility.
		372	Causes damage to organs through prolonged or repeated exposure.
		400	Very toxic to aquatic life.
		410	Very toxic to aquatic life with long lasting effects.
16.6.	Training advice:		-
	16.7. Further information:		** "X" in the product code marks different volumes (different packagings of the product)
16.7.			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

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

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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	GNOST SC	NOST SOLUTION		
	Chemical name:	-				
	Catalogue number:	THR-OT-X*	THR-OT-X**			
1.2	Relevant identified uses of the substance or mixture and uses advised against		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 +385 1 2409997			
	Telephone number:					
	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			
	Medical information:			+385 2348 342		

SECTIO	ON 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and category code: Hazard statements*:				
	Carc. 1B		H350		
2.1.2.	Additional information				
	-				
*For fu	ıll text of Hazard- and EU Haza	ard-statements: see S	SECTION 16		
2.2	Label elements				
	Product identification:	Product identification: THROMBOGNOST SOLUTION			
	Identification number:	-			
	Authorization number: -				



SAFETY DATA SHEET

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

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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	erties:
	No known endocrine disrupti	ng properties
	Results of PBT and vPvB as PBT or a vPvB.	sessment: According to the results of its assessment, this substance is not a

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			

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



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Trading name:	THROMBOGNOST SOLUTION				
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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	ECTION 5. Firefighting measures			
5.1	Extinguishing media			
	Suitable extinguishing media:	Water spray, dry powder, CO ₂ 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 SOLUTION				
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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 equipment and emergency procedures			
6.1.1.	For non-emergency personnel			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).			
6.2	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Nation Protection and Rescue Directorate (NPRD) on 112.			
6.3	Methods and material for containment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures: Sand or clay barriers.			
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using 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	h hands after work and before eating.
7.2	Conditions for safe storage, including any incor	npatibilities	
	I DENNICAL 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 containe tightly closed.	
	Advices for storage equipment:	must be re	e must be made of hard material; floors sistant 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 n 10).
7.3	Specific end use(s)	·	
	Recommendations:	-	
	Industrial sector specific solutions:	-	

SECTION 8. Exposure controls/personal protection												
8.1 Control parameters												
Substance	!	CA	S No			exposure limit term values	Biologic	al limit values				
				ppm	1	mg/m³						
Formaldehyde		50-00-0		2	2 2.5			-				
Substance name:	-											
EC No:	-	CAS No	: -									
DNEL												
	Industrial											
Route of	Acu	ite	Acu	te		Chronic		Chronic				
exposure:	effect	local	effect sy	stemic		effect local	ef	fect systemic				



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Trading	rading name: TH					HROMBOGNOST SOLUTION				
Product	code:	THR-OT-X**		Date o	of compilation: 03 April 2023 Version					
			ı							
Oral		-	-			-		-		
Inhalation	Inhalation 0.75 mg/m³ (formaldehyde) -			0.375 mg/m ³ (formaldehyde))	9 mg/m³ (f	ormaldehyde)			
Dermal		-	-			0.037 mg/cm ² (formaldehyde))	240 mg/kg	(formaldehyde)	
Critical ph	nysical pai	rameters: solubility,	flammak	oility, cor	ros	ivity: -				
				Co	nsu	ımer				
Route of exposure		Acute effect local		cute systemic	С	Chroni effect lo	-		Chronic ct systemic	
Oral		-	-			-		4.1 mg/kg	(formaldehyde)	
Inhalation	1	-	-			0.1 mg/m³ (formaldehyde))	3.2 mg/m ³	(formaldehyde)	
Dermal		-	-		0.012 mg/cm ² (formaldehyde)		102 mg/kg	(formaldehyde)		
PNEC										
Environmental protection target				PNEC						
Fresh wat	er				0.44 mg/l (formaldehyde)					
Freshwate	er sedime	nts			2.3 mg/kg (formaldehyde)					
Marine w	ater				0.44 mg/l (formaldehyde)					
Marine se	diments				2.3 mg/kg (formaldehyde)					
Food cha	in				No information available					
Microorg	anisms in	sewage treatment			0.19 mg/l (formaldehyde)					
Soil (agric	cultural)				0.2 mg/kg (formaldehyde)					
Air					No information available					
8.2	Exposi	ure controls								
8.2.1.	Appro	priate engineering	controls							
		Substance/mixture related measures to prevent exposure during identified uses:			Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				•	
	Structi exposi	ural measures to prevent ure:			In accordance with Section 7.					
	Organ exposi	isational measures ure:	to prevei	nt	Organization of work in order to reduce other worker's influence during work process.				ther worker's	
	Techn	ical measures to pre	event exp	oosure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.					
8.2.2.	Persor	nal protection equip	ment							



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Trading name:		THROMBOGNOST SOLUTION							
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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	SECTION 9. Physical and chemical properties									
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 SOLUTION								
Product code:	THR-OT-X**	Date of compilation:	03 April 2023	Version:	4					

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

SECTION	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 (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	SECTION 11. Toxicological information											
11.1 Information on toxicological effects												
Acute to	Acute toxicity:											
Route of exposure:	Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results							
Oral:	-	rat	LD ₅₀	No information available	100 mg/kg (formaldehyde)							
Dermal:	-	rabbit	LD ₅₀	No information available	300 mg/kg (formaldehyde)							



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

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Trading name:				THRO	HROMBOGNOST SOLUTION						
Product code:	THR-OT	-X**		Date of o	compilation	on:	03 Ap	ril 2023		Version:	4
Inhalation:	-		rat		LD ₅₀			4 h		3 mg/l (formaldehyde)	
1											
Specific	target orga	n toxicit	y – single ex	posure (S	STOT SE):						
		Spec	ific effects			Target	organ			Note	
Oral:	No info	rmation	available		No infor	mation	availab	ole ·	-		
Dermal:	No info	rmation	available		No infor	mation	availab	ole ·	_		
Inhalation:	No info	rmation	available		No infor	mation	availab	ole ·	-		
Aspiratio	on hazard:			No infor	mation av	ailable.					
Irritation	and corros	ion									
		Exposur	e time	Spec	ies	Evalua	tion	Method		Note	
Skin _				_	_	_	-	_	_		
corrosion/irritation	on:										
Serious eye damage/irritation	-			-	-	-	-	-	-		
Ė											
Sensitiza	ation	1									
Skin sensitization	•	-									
Respiratory sensi	tization:	-									
Sympton	ms related t	o the pl	nysical, chem	nical and t	toxicologi	cal char	acterist	ics			
Oral exposure:		_	on concentra ige, nausea,		-	time, it	may lea	ad to sting	ing an	d digestive	
Dermal exposure	•	_		ration and exposure time, redness accompanied by sensation of occur, as well as skin cracking and rash.						f	
Inhalation exposu	re. Depe		on concentra						osa irri	tation, coug	ıh,
Eye exposure:			n concentra	tion and	exposure :	time it	may lea	ad to stina	ina te	aring and r	nain
гус схрозите.	Бере	maning c	on concentra	tion and	схрозите	tirrie, re	Thay ice	ad to string	ing, te	aring, and p	, diri.
Reneate	d dose tovi	rity (sub	acute, subch	oronic ch	ronic)						
Керейс	u dosc toxi	city (3uc	Exposure	irorne, err	ionic)						
	Dose	e	time	Speci	es	Metho	od	Evaluati	on	Note	
No information No			informatio	No n inforr availa	mation able	No inform availal		No informa availabl		-	



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

Subacute dermal	No availa	information able	No information available	No information available	No information available	No information available	on	-
Subacute inhalation	No availa	information able	No information available	No information available	No information available	No information available	on	-
Subchronic oral	No availa	information able	No information available	No information available	No information available	No information available	on	-
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No information available	on	-
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No information available	on	-
Chronic oral	No availa	information able	No information available	No information available	No information available	No information available	on	-
Chronic dermal	No availa	information able	No information available	No information available	No information available	No information available	on	-
			No	NI.	N.I.			
Chronic inhalation	No availa	information able	information available	No information available	No information available	No information available	on	-
inhalation	availa	able	information available	information available	information available	informatio	on	-
inhalation	availa	able	information available y – repeated e	information available xposure (STOT	information available RE):	informatio available	on	
inhalation Specific	availa	organ toxicit	information available y – repeated e Specific effec	information available xposure (STOT	information available RE):	information available available		Note
Specific Subacute oral	availa target	organ toxicit	information available y – repeated e Specific effect ation available	information available xposure (STOT	information available RE): Target o	information available available available available available	- -	
Specific Subacute oral Subacute derma	availa target	organ toxicit No informa No informa	information available y – repeated e Specific effec- ation available ation available	information available xposure (STOT	information available RE): Target o No information	information available rgan available n available	_	
Specific Subacute oral Subacute derma Subacute inhala	availa target	organ toxicit No informa No informa No informa	information available y – repeated e Specific effect ation available	information available xposure (STOT	information available RE): Target o	information available available available available available available available	_	
inhalation	availa target	organ toxicit No informa No informa No informa No informa	information available y – repeated e Specific effection available ation available	information available xposure (STOT	information available RE): Target of the No information No infor	information available in availa	_	
Subacute oral Subacute derma Subacute inhalar Subchronic oral Subchronic dern	availa target	organ toxicit No informa No informa No informa No informa No informa	information available y – repeated e Specific effection available ation available ation available	information available xposure (STOT	information available RE): Target of the No information No infor	information available in availa	_	
Specifical Subacute oral Subacute inhalation Subchronic oral Subchronic dern Subchronic inha	availa target	organ toxicit No informa No informa No informa No informa No informa No informa	information available y – repeated e Specific effect ation available ation available ation available ation available ation available	information available xposure (STOT	information available RE): Target of the No information No infor	information available in availa	_	
Specific Subacute oral Subacute derma Subacute inhalar Subchronic oral	availa target	organ toxicit No informa No informa No informa No informa No informa No informa No informa	information available y – repeated e Specific effect ation available ation available ation available ation available ation available ation available	information available xposure (STOT	information available RE): Target of the No information	information available in availa	_	



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



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Tradin	g name:		THROMBOGNOST SOLUTION								
Produc	ct code:		THR-OT-X**	THR-OT-X**		ate of compilation: 03 April 202		3	Version:	4	
								1			
Other c	organisms	5	-	-	-		-	-		-	
12.2	Persiste	ence	and degrada	bility							
	Abiotic	deg	gradation								
		Degradation half-lives			Method		Evaluation		Note		
Marine	water	No	information	available	No ii avail	nformation able	No ir availa	nformation able	-		
Fresh w	<i>r</i> ater	No	information	available	No ii avail	nformation able	No ir availa	nformation able	-		
Air		No	information	available	No ii avail	nformation able	No ir availa	nformation able	-		
Soil		No	information	available	No ii avail	nformation able	No ir availa	nformation able	-		
	Biodeg	rada	ation				3				
% De	egradatio	n	Time	(days)	Method E		Evaluation		Note		
	rmation			nformation				No information		No information	
availabl	le		available		available available		able	availab	le		
12.3	Pioacci	ımıı	lative potenti	al							
12.5			ater partition		log Ko	,,,,)					
Valu			centration	pH	°C	Method		Evaluation		Note	
- vaiu	-	COII	Centration		<u> </u>	-		- Evaluation	_	Note	
	Biocono	cent	ration factor	(BCF)							
V	/alue		Spec			Method		Evaluation		Note	
No information No information available available		No ir	nformation		information ilable	-					
avallabl			avanable		availe		ava				
	Chronic	eco	otoxicity								
	Chronic ecotoxicity										



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Value	Dose	Exposure time	Species	Method	Evaluation	Note
Chronic toxicity on fish	LC ₅₀	No information available	No information available	No informati on available	No information available	-
Chronic toxicity on crustacea (<i>Daphnia</i>)	EC ₅₀	No information available	No information available	No informati on available	No information available	-
12.4 Mobility in soil						
Known or predic	ted distributi	on in environm	nental compart	ments:		

12.7	Wiobility III 30	/II									
	Known or pre	Known or predicted distribution 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

	, , , , , , , , , , , , , , , , , , ,							
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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12.7.	Other adverse effects						
	No information available						
SECTION	N 13. Disposal considerations						
13.1	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
		sed 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	ains residual hazardous substances or is contaminated with hazardous					
13.1.3.	Waste treatment – relevant info	ormation:					
	No information available						
13.1.4.	Sewage disposal – relevant info	ormation:					
	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 num	ber:	Not subject to transport regulations					
UN prop	er shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environr	nentally hazardous:	-					
Special p	precautions for user:	-					



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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



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



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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.	4. Classification and procedure 1272/2008 (CLP)		used to derive the classification for mixture according to Regulation (EC)		
Classifi	catior	١	Classification procedure		
_			-		
16.5.	Rele	evant H statements (numl	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.	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 assessment

-



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

SECTI	ION 1: Identification of	the substanc	e/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trading name:	TUERK'S SC	DLUTION		
	Chemical name:	-			
	Catalogue number:	TU-OT-X**			
1.2.	Relevant identified use	es of the subs	tance or mix	ture and uses advised against	
	Uses:		Solution fo	or manual counting of leukocytes.	
	Uses advised against:		Only the ic	lentified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier	Details of the supplier of the safety data sheet			
	Supplier:	Bi	ioGnost Ltd.		
	Address:	N	Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Fax no.:	+	+385 1 2404039		
	e-mail of competent p	erson: <u>m</u>	ısds@biogno	ost.hr	
	National contact:	-			
1.4.	Emergency telephone number				
	National Protection and Rescue Dire		ectorate:	112	
	National Protection ar	id Kescue Dii		. 	
	Medical information:	id Rescue Dii		+385 1 2348 342	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regu	lation (EC) No 1272/2008 (CLP)			
	Hazard class and catego	ry code: Hazard statements*:			
	Not identified as hazardous sub	stance			
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-s	tatements: see Section 16			
2.2.	Label elements				
	Product identification:	TUERK'S SOLUTION			
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	-			



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Trading name:		TUERK'S	TUERK'S SOLUTION				
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Signal word:		-					

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

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 measu	res					
	General notes:	-					
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.					
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.					
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician. 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.					
	Following ingestion:						
	Self-protection of the first aid	er: Treat symptomatically.					
4.2.	Most important symptoms a	d effects, both acute and delayed					
	Following inhalation:	halation of large amounts of vapors in inadequately ventilated perimeter ay 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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	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	SECTION 5. Firefighting measures						
5.1.	Extinguishing media						
	Suitable extinguishing media: Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam						
	Unsuitable extinguishing media: water jet						
5.2.	Special hazards arising from the substance or mixture						
	Hazardous combustion products: No information available						
5.3.	Advice for firefighters						
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.						
5.4.	Additional information						
	Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.						

SECTIO	SECTION 6. Accidental release measures					
6.1.	Personal precautions, protect	ive 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	see Section 8).				
6.2.	Environmental precautions:					
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.					
6.3.	Methods and material for containment and cleaning up					
6.3.1.	Bunding, covering of drains; capping procedures: Sand or clay barriers.					



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

SECTIO	TION 7. Handling and storage							
7.1.	Precautions for safe handling							
7.1.1.	Protection measures							
	Measures to prevent fire:		eep away from sources of heat and ignition. Do ot smoke.					
	Measures to prevent aerosol and dust generati	on: Se	ecure proper ventilation.					
	Measures to protect the environment:		revent spilling into the sewage system and aterways.					
	Other measures:	-						
7.1.2.	Advice on general occupational hygiene:							
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.							
7.2.	Conditions for safe storage, including any incompatibilities							
	Technical measures and storage conditions:	ventila	n tightly closed and upright set containers in a well ted storage rooms, and away from sources of heat, nt, and other incompatible substances.					
	Packaging materials:	Manuf	acturer's original packaging.					
	Requirements for storage rooms and vessels:		way from food and drink. Keep the containers closed.					
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.						
	Further information on storage conditions:	and do	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)							



Microorganisms in sewage treatment

Soil (agricultural)

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Product code: TU-OT-		U-OT-	X**	Date of com			1	4 Novem	ber 2022	Version: 5
Recom	menda	ations:				-				
Industr	ial sec	tor spe	cific solutio	ns:		-				
1		•								
SECTION 8. Exp	oosure	e contro	ols/persona	al protec	tion					
8.1. Contro	l parai	meters								
Substai	nce		CAS I	No		upational e lues/short			Biolo	ogical limit values
					1	ppm	mg/m³			
-			-			-		-	No inform	ation available
Substance name:	-									
EC No:	_		CAS No:	_						
DNEL										
					Inc	lustrial				
Route of exposu	ure:		Acute ect local	Acute effect systemi			Chronic effect local			Chronic effect systemic
Oral		-		-			-			-
Inhalation		-		-			-			-
Dermal		-		-			-			-
Critical physical	paran	neters: s	olubility, fla	mmabili	ty, cor	rosivity:		-	·	
					Co	nsumer				
Route of exposu	ıra.	A	Acute		Acut	e Chronic		ic	Chronic	
Noute of expose		effe	ect local	effe	ect sys	temic		effect lo	ocal	effect systemic
Oral		-		-			-			-
Inhalation		-		-			-			-
Dermal		-		-			-			-
PNEC										
Environmental p	orotect	tion tar	get			PNEC				
Fresh water						on availabl				
Freshwater sediments				No information available						
Marine water						No information available				
Marine sedimen	ıts					No information available				
Food chain					No information available					

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 related measures to prevent exposure during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prexposure:	event	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
Technical measures exposure:		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				
		Protective gloves must be according to the EU Directive 2016/425/8 standard 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 fo	octive 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			
	Substance/mixture related measures to prevent expo		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 proexposure:	event	See Section 6		

SECTION 9. Physical and chemical properties



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

SECTIO	SECTION 10.: Stability and reactivity			
10.1.	Reactivity:	See subsections 10.3 through 10.5.		
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.		
10.3.	Possibility of hazardous reactions:	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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Acute toxic	rity:					
Route of exposure:	Ef		Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure t	ime	Results
Oral exposure:	No information available	-	LD ₅₀	-	-	
Dermal exposure:	No information available	-	LD ₅₀	_		_
Inhalation exposure:	No information available	-	LC ₅₀	_		-
Specific ta	rget organ toxicity – s	ingle exposure (S	STOT SE):			
	Speci	fic effects	Target	organ		Note
Oral exposure:	No information	available	No information	on available	-	
Dermal exposure:	No information	available	No information	on available	-	
Inhalation exposure Aspiration	i		No information	on available	-	
	i			on available	-	
Aspiration	hazard:			on available Method	-	Note
Aspiration Irritation a	hazard: nd corrosion:	No infor	mation available		-	Note
Aspiration	hazard: nd corrosion:	No infor	mation available Evaluation	Method	-	Note
Aspiration Irritation a Skin irritation:	hazard: nd corrosion: Exposure time -	No infor	mation available Evaluation	Method 	-	Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization	hazard: nd corrosion: Exposure time -	Species -	mation available Evaluation	Method 	-	Note
Aspiration Irritation a Skin irritation: Eye irritation:	hazard: nd corrosion: Exposure time	Species lable	mation available Evaluation	Method 		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time - - No information avai	Species lable	Evaluation -	Method		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms	hazard: nd corrosion: Exposure time - - No information avai	Species lable lable	Evaluation -	Method		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	hazard: nd corrosion: Exposure time No information avaition avaition avaition avaition avaition avaition avaition avaiting the control of the physical avaiting and avaiting ava	Species lable lable al, chemical and vailable	Evaluation -	Method		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time No information avaitated to the physicated No information a No information a No information a	Species lable lable al, chemical and vailable vailable	Evaluation -	Method		Note



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Trading name:	TUERK'S SOLUTION				
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	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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Chronic	cinhalation	No informa	tion available	No information available	-
	CMR effects	(carcinogenicity	; mutagenicity; repr	oductive toxicity)	
	Carcinogenicity: Current stu			on test animals did not indicate ca	arcinogenic effects.
				o tests did not indicate mutageni	c effects.
	Genotoxicity: No informa			available	
	Mutagenicity <i>in-vivo</i> : Current <i>in v</i>			tests did not indicate mutagenio	c effects.
	Germ cell mu	ıtagenicity:	No information	available	
	Reproductive	e toxicity:	No toxicity or organs.	n reproductive organs was deter	mined in reproductive
	Summary of	evaluation of th	e CMR properties:	_	
	<u> </u>				
11.2.	Information of	on other hazard	ls:		
11.2.1.	Endocrine dis	srupting proper	ties:		
	No known endocrine disrupting properties that affect human health.				
11.2.2.	Other inform	ations:			
	-				

SECTION	12 Fco	logica	l inform	nation

12.1. Toxicity

12.11 Toxicity						
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	-	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	-	-
Microorganisms	LC ₅₀	72 hours	-	-	_	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-



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Algae/aquat	tic plants	ants IC ₅₀ 72 hou		rc			No information available No info avai		ation le	_
Other organ	isms	-	-		-	_		-		-
		and degrada	bility							
ADI	otic degi	gradation ha	lf-lives	0 0 0 0 0 0 0 0 0	Method		Ev.	aluation	1	Note
Marine water		nformation av		No i	nformation availa	able	No informat			-
Fresh water	No ir	nformation av	ailable	No i	nformation availa	able	No informat	tion avai	lable	-
Air	No ir	nformation av	ailable	No i	nformation availa	able	No informat	tion avai	lable	-
Soil	No ir	nformation av	ailable	No i	nformation availa	able	No informat	tion avai	lable	-
Bio % Degradat	degradat tion	tion Time (day	s)		Method		Evaluation		1	Note
No informat available	ion N		mation					lo inform vailable	information ailable	
:										
		ative potentia		. (1						
Value		ter partition of tentration		t (log °C	Kow) Method		Evaluati	on		Note
- value		information	рН -	-	No information	on	No informati available		-	note
Bio	concentr	ation factor (BCF)							
Value		Speci			Method		Evaluation			Note
		No in available	formation		information ailable		o information ailable		No inforr available	nation
No informat available		No in available			information		o information		No inforn	



No adverse effects are expected.

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Produc	ct code:	TU-	-OT-X**	Date of co	mpilatio	n: 14 No	vember 2	022 V	ersion: 5
	Value		Dose	Exposure time	Species	s Met	thod	Evaluation	Note
Chronic	toxicity	on fish	LC ₅₀	information i	No informati available	No on inform availab	ation ir	lo nformation vailable	-
	toxicity (EC ₅₀	information i	No informati available	No on inform availab	ation ir	lo nformation vailable	-
12.4.	Mobility	y in soil							
			icted distributi	on in environme	ntal com	partments:			
		•	available						
	Surface	tension	:						
	Valu	ıe	°C	Concentration	on	Metho	od		Note
	No No information available available		information	No information No inf		informationalion	i <u>-</u>		
	Adsorpt		esorption						
Transpo	ort		pefficient s constant	log Kow	Evapo	ration rate	Meth	nod	Note
Soil-wa	ter No	o ailable	information	No information available	No inf	ormation ole	No inforr available	mation -	
Water-a	air No	o ailable	information	No information available	No inf	ormation ole	No inforr available	mation -	
Soil-air	No ava	o ailable	information	No information available	No inf availal	ormation ole	No inforr available		
12.5.			and vPvB asses	ssment					
	<u> </u>								
12.6.	Endocri	ne disru	ıpting properti	es					
				ng properties tha	at affect t	he environn	nent.		
	<u> </u>			<u> </u>					
12.7.	Other a	adverse	effects						



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SECTION	N 13. Disposal considerat	ions				
13.1.	Waste treatment method					
13.1.1.	Product/Packaging dispo	osal:				
Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.						
13.1.2.	Waste codes/waste design	gnations according to Law:				
	No information available					
13.1.3.	Waste treatment – releva	ant information:				
	No information available					
13.1.4.	Sewage disposal – releva					
	Waste must not be dispo	osed of into the sewage system.				
13.1.5.	5. Other disposal recommendations:					
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collector authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places who ignition may occur.					
13.1.6.	Relevant Community pro	ovisions:				
	-					
SECTION	N 14. Transport informati					
	Transporting/shipment by					
UN num		Not subject to transport regulations.				
	er shipping name:	-				
•	rt hazard class(es):	-				
Packing group:		-				
	nentally hazardous:	-				
Special p	precautions for user:	-				
	Transporting/shipment by	rail (RID)				
UN num	_	Not subject to transport regulations.				



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		·						
Transport hazard c	lass(es):	-						
Packing group:		-						
Environmentally ha	azardous:	-						
Special precautions	s for user:	-						
Inland wa	terway transport (A	DN)						
UN number:		Not subject to transport	regulations.					
UN proper shippin	g name:	-						
Transport hazard c	lass(es):	-						
Packing group:		-						
Environmentally ha	zardous:	-						
Special precautions	s for user:	-						
Transporti	ing/shipment by sea	a (IMDG)						
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	zardous:	-						
Special precautions	s for user:	-						
Transporti	ing/shipment by air	(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	zardous:	-						
Special precautions	s for user:	-						
Further information	n: The produc	t is not subject to classificatio	n.					

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

SECTIO	N 16. Other information				
16.1.	Indication of changes:	-			
			Stable, bioaccumulative and toxic		
		vPvB	Strongly stable and strongly bioaccumulative.		
16.2.	Abbreviations and acronyms:	LD ₅₀	Lethal dose, 50%		
		LC ₅₀	Lethal concentration, 50%		
		STOT-SE	Specific target organ toxicity - single exposure		
16.3.	Key literature references and	-			
	source of data:				
16.4.	Classification and procedure u 1272/2008 (CLP)	sed to derive the	classification for mixture according to Regulation (EC)		
Classific	Classification C		Classification procedure		



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16.5.	Relevant H statements (number and full text)		
	H: -	-	
16.6.	Training advice:	-	
		** "X" in the product code marks different volumes (different packagings of the product)	
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX: Exposure scenario resulting to Chemical safety assessment	
-	