

PERLS-VAN GIESON KIT

VERSION 2

The kit contains:

Fuchsin Acid Van Gieson reagent HCl reagent, HemoGnost Perls Potassium hexacyanoferrate, solution



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Trading name:	FUCHSIN ACID VAN GIESON REAGEN				
Product code:	FAG-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

1.1	Product identifier					
	Trading name:	FUCHSIN A	FUCHSIN ACID VAN GIESON REAGENT			
	Chemical name:	-				
	Catalogue number:	FAG-OT-X*	*			
1.2	Relevant identified use	es of the subs	tance or n	nixture and uses advised against		
	Uses:		For use	with special staining kits.		
	Uses advised against:		Only the	identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier:	Supplier:		BioGnost Ltd.		
	Address:	Address:		Medjugorska 59, Zagreb		
	Telephone number:	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039			
	e-mail of competent p	person:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:	Other information:		-		

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Regi	ulation (EC) No 12	272/2008 (CLP)		
	Hazard class and catego	ory code:	Hazard statements*:		
	Not identified as hazardous substance				
2.1.2.	Additional information				
	-				
*For ful	l text of Hazard- and EU Hazard-	statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	FUCHSIN ACID	/AN GIESON REAGENT		
	Identification number:	-			
	Authorization number:	-			
	Hazard pictograms:	-			



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	Signal word:	-
	Hazard statements:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Endocrine Disrupting Prope	rties:
	No known endocrine disrupti	ng properties
	Results of PBT and vPvB ass 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)		
88-89-1/ 201-865-9/ 609-009-00-X	-	< 2 %	picric acid	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331		

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



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

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

SECTIO	ION 6. Accidental release measures				
6.1	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Use protective equipment; in ca (see Section 8).	se of inadequate ventilation use adequate airways protective equipment			
6.2	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3	Methods and material for containment and cleaning up				



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6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorb material. Place the waste material in tightly closed impermeable contain Store the substance in well ventilated storage rooms until disposal. Sub for disposal to the legal persons authorized by the Ministry of Environment and Nature Protection. After disposal of the products, wash the area and involved materials with water.		
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information on safe handling.			
	See Section 8 for information on personal protection equipment.			
	See Section 13 for disposal in	formation.		

SECTIO	ON 7. Handling and storage		
7.1	Precautions for safe handling		
7.1.1.	Protection measures		
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.
	Other measures:		Protect against electrostatic charges.
7.1.2.	Advice on general occupational hygiene:		
	Do not eat, drink or smoke in the workspace. Th	noroughly was	sh hands after work and before eating.
7.2	Conditions for safe storage, including any incon	npatibilities	
	Technical measures and storage conditions:	well ventil	ghtly closed and upright set containers in a ated storage rooms at temperatures ranging o 25 °C. Protect from heat and direct sunlight.
	Packaging materials:	Manufactu	urer's original packaging.
	Requirements for storage rooms and vessels:	Keep away tightly clo	y from food and drink. Keep the containers sed.
	Advices for storage equipment:	must be re	ge must be made of hard material; floors esistant to chemicals. There must be no drain Ily leads into sewage system. Secure proper n.



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

SECTION 8. Expos	ure contro	ols/perso	onal pr	otect	tion					
8.1 Control pa	arameters									
Substance		CA	S No			•	exposure limit term values		Biological limit values	
					р	pm	mg/m³		-	
-			-			-	-	-		
Substance name:	-	1		1						
EC No:	C No: - CAS No: -									
DNEL										
			1		Ind	ustrial				
Route of	Αςι			Acute			Chronic		Chronic	
exposure:	effect	local	effe	ct sys	temic		effect local		effect systemic	
Oral	-		-			-			-	
Inhalation	-		-			-			-	
Dermal	-		-			-			-	
Critical physical par	rameters: s	olubility,	flamm	ability	,		-			
			T		Con	sumer				
Route of		cute		Acute			Chronic		Chronic	
exposure:	effec	t local	effe	ct sys	temic	effect local			effect systemic	
Oral	-		-			-			-	
Inhalation	-		-			-			-	
Dermal	-		-			-			-	
PNEC										
Environmental protection target				PNEC						
Fresh water						no inform	nation available			
Freshwater sedime	nts					no information available				
Marine water						no inform	nation available			
Marine sediments						no inform	nation available			



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

Information on basic physical and chemical properties						
	Value	Method				
Physical state:	liquid	No information available				
Colour:	red	No information available				
Odour/odour threshold:	no information available/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	N 10. Stability and reactivity	
10.1	Reactivity:	See subsections 10.3 through 10.5.



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10.2	Chemical	stability:	The product is chemicall conditions of storing and			
10.3	Possibility	of hazardous reactions:	No information available	,		
10.4	Condition	s to avoid:	No information available			
10.5	Incompat	ible materials:	No information available			
10.6	Hazardou	s decomposition product	s: No information available			

SECTION 11. T	oxicological informa	ation						
11.1 Inform	ation on hazard class	es as defined	in Regula	ation (EC) No 127	2/2008			
Acute 1	oxicity:		1					
Route of exposure:	Method	Species	Dos	se LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure ti	me Result		
Oral:	No information available	-	No ir avail	nformation able	-	-		
Dermal:	No information available	-	No ir avail	nformation able	-	-		
Inhalation:	No information available	-	No ir avail	nformation able	-	-		
Specifi	c target organ toxicit	y – single expo	osure (ST	TOT SE):				
	Speci	fic effects	Target org		rgan	Note		
Oral:	No information	available	No information av		vailable	-		
Dermal:	No information	available	No information available			-		
Inhalation:	No information	available	ilable No information available			-		
Aspirat	ion hazard:	Ν	No information available.					
Irritatio	on and corrosion							
	Exposure	e time	Specie	es Evaluatio	on Method	Note		
Skin corrosion/irritat	Skin corrosion/irritation:			-	-	-		
Serious eye damage/irritation		-		-	-	-		
Sensiti	ration							
		ormation avail	lable					
Skin sensitization: No information a			vailable. vailable.					



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Oral exposure: Harmful if swa		vallowed.				
Dermal exposure	e: Harmful if at	sorbed throug	jh skin. May cau	ise skin irritation	1.	
Inhalation expos	ure: Harmful if in	haled. May cau	ise respiratory t	ract irritation.		
Eye exposure:	May cause e	ye irritation.				
Repeate	ed dose toxicity (sub	acute, subchro	onic, chronic)	1		
	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	-
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	-



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Subacute oral	No information	available	No ir	nformation available	-	
Subacute dermal	No information	available	No ir	nformation available	-	
Subacute inhalatio	on No information	available	No ir	nformation available	-	
Subchronic oral	No information	available	No ii	nformation available	-	
Subchronic derma	No information	available	No ii	nformation available	-	
Subchronic inhala	tion No information	available	No ir	nformation available	-	
Chronic oral	No information	available	No ir	nformation available	-	
Chronic dermal	No information	available	No ir	nformation available	-	
Chronic inhalation	No information	available	No ir	nformation available	-	
Carcinogenicity: Mutagenicity <i>in vitro</i> : Genotoxicity: Mutagenicity <i>in vivo</i> : Germ cell mutagenicity: Reproductive toxicity: Summary of evaluation of the properties:		Bas Bas Bas Bas	Based on available data, the classification criterBased on available data, the classification criterCMRBased on available data, the classification criterCMRBased on available data, the classification criter			met. met. met. met. met.
	on on other hazards:					
	e disrupting properties:					
compone disruptin Article regulatio	stance/mixture does ents considered to hav g properties according 57(f) or Commission n (EU) 2017/2100 or on (EU) 2018/605 at leve	e endocrine g to REACH Delegated Commission				
11.2.2. Other inf	ormations:					
-						

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



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LC ₅₀	96 hours	No information available	No information available	No information available	-
EC ₅₀	48 hours	No information available	No information available	No information available	-
IC ₅₀	4 days	No information available	No information available	No information available	-
-	-	-	-	-	_
Dose	Exposure time	Species	Method	Evaluation	Note
LC ₅₀	96 hours	No information available	No information available	No information available	-
EC ₅₀	48 hours	No information available	No information available	No information available	-
IC ₅₀	72 hours	No information available	No information available	No information available	-
-	-	-	-	-	-
d degradabi	ility				
	EC ₅₀ IC ₅₀ - Dose LC ₅₀ IC ₅₀	EC ₅₀ 48 hours IC ₅₀ 4 days <u>Dose Exposure</u> time IC ₅₀ 96 hours EC ₅₀ 48 hours	LC 5096 hoursavailableEC 5048 hoursNo information availableIC 504 daysNo information availableDoseExposure timeSpeciesLC 5096 hoursNo information availableEC 5048 hoursNo information availableIC 5072 hoursNo information available	LCs096 hoursNo information availableinformation availableECs048 hoursNo information availableNo information availableICs04 daysNo information availableNo information availableDoseExposure timeSpeciesMethodLCs096 hoursNo information availableNo information availableLCs092 hoursNo information availableNo information availableLCs072 hoursNo information availableNo information available	LC5096 hoursNo information availableinformation availableinformation availableEC5048 hoursNo information availableNo information availableNo information availableNo information availableIC504 daysNo information availableNo information availableNo information availableNo information availableIC504 daysNo information availableNo information availableNo information availableDoseExposure timeSpeciesMethodEvaluation information availableLC5096 hoursNo information availableNo information availableNo information availableEC5048 hoursNo information availableNo information availableNo information availableIC5072 hoursNo information availableNo

	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-
Soil				-
Biode	gradation			
% Degradati	on Time (days)	Method	Evaluation	Note

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



Page 12 of 16 Trading name: FUCHSIN ACID VAN GIESON REAGENT Product code: FAG-OT-X** Date of compilation: 21 Dec 2022 Version: 6 12.3 **Bioaccumulative potential** Octanol-water partition coefficient (log Kow) Value °C Method Concentration pН Evaluation Note _ _ _ _ _ Bioconcentration factor (BCF) Value Species Method Evaluation Note No information No information No information No information _ available available available available Chronic ecotoxicity Exposure Value Dose Species Method Evaluation Note time No No No No Chronic toxicity on fish LC₅₀ information information information information _ available available available available No No No No Chronic toxicity on EC₅₀ information information information information _ crustacea (Daphnia) available available available available 12.4 Mobility in soil Known or predicted distribution in environmental compartments: No information available Surface tension: °C Value Concentration Method Note No No No information No information information information _ available available available available



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Transpo	rt A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-wat	No information	No information available	No information available	No information available	-
Water-a	ir No information available	No information available	No information available	No information available	-
Soil-air	No information available	No information available	No information available	No information available	-
12.5	Results of PBT and vPvB asse	ssment			
	The substance/mixture does according to REACH Article 5 Regulation (EU) 2018/605 at	7(f) or Commission	n Delegated regulat		
12.6.	Endocrine disrupting propert	ies			
	The substance/mixture does according to REACH Article 5 Regulation (EU) 2018/605 at	7(f) or Commission	n Delegated regulat		
12.7	Other adverse effects				
	No further relevant informati	on available.			
SECTIO	N 13 Disposal consideration	c			
SECTIO 13.1	N 13. Disposal consideration Waste treatment methods	IS			
	-	IS			
13.1	-				
13.1	Waste treatment methods	l:	rized by the Ministr	y of Environmental	and Nature
13.1	Waste treatment methods Product/Packaging disposa Submit for disposal to the l	l: egal person autho	-	y of Environmental	and Nature
13.1	Waste treatment methods Product/Packaging disposa Submit for disposal to the I Protection.	l: egal person autho ations according to	o Law:		
13.1 13.1.1. 13.1.2.	Waste treatment methods Product/Packaging disposal Submit for disposal to the l Protection. Waste codes/waste designal 15 01 10*: Packaging that compared	l: egal person autho ations according to ontains residual ha	o Law:		
	Waste treatment methods Product/Packaging disposal Submit for disposal to the l Protection. Waste codes/waste designate 15 01 10*: Packaging that c substances	l: egal person autho ations according to ontains residual ha	o Law:		
13.1 13.1.1. 13.1.2.	Waste treatment methods Product/Packaging disposal Submit for disposal to the l Protection. Waste codes/waste designal 15 01 10*: Packaging that c substances Waste treatment – relevant	l: egal person autho ations according to ontains residual ha information:	o Law:		



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	Waste r	nust not be dispose	d of into the sewage system.				
1015	Othersd	:					
13.1.5.		isposal recommenda			· · · · · · · · ·		
	authoriz	zed by the ministry i	pose of the product's remains into the sewage system. Submit the remains to the collectors I by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit ging to the collectors authorized by the ministry in charge.				
13.1.6.	Relevan	t Community provis	ions:				
	Disposa	I must be made acco	ording to official regulations.				
CECTION							
		NSPORT INFORMA					
UN num		ing/shipment by roa	Not subject to transport requ	lations			
	ber: ber shippin	a nama:	Not subject to transport regu	lations			
	rt hazard c		-				
Packing		.1035(55).	_				
	nentally ha	azardous:	_				
	precaution		_				
		ing/shipment by rail	- (RID)				
UN num	-	ing/simplicit by rai	Not subject to transport regu	lations			
	ber shippin	na name.	-				
	rt hazard c		_				
Packing			_				
-	nentally ha	azardous:	_				
	precaution		_				
		terway transport (AI	 DN)				
UN num			Not subject to transport regu	lations			
	er shippin	a name:	-				
	rt hazard c		-				
Packing			-				
	nentally ha	azardous:	-				
		s for user:	_				
<u> </u>		ing/shipment by sea	a (IMDG)				
UN num		<u> </u>	Not subject to transport regu	lations			
	er shippin	ig name:	-				
	rt hazard c		-				
Packing			_				



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

15.1	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture				
	EU regulations					
	Authorization and/or rest	Authorization and/or restrictions of use				
	Authorizations:	-				
	Restrictions:	-				
	Other EU regulations:	 Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (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 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); 				



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					10		
Trading name: Product code: FAG-OT- National legislation:				FUCHSIN ACID VAN GI	ESON REAGENT		
		FAG-OT-X**		Date of compilation:	21 Dec 2022	Version:	6
		egislation:	danger and on classifi Ordina	cals Act, Regulation on clas rous substances, Ordinance biological limit values, Re cation of waste with a wast nce on writing Material sat nces Act	e on occupational ex gulation on categorie te catalog and list of	posure limit value es, types and hazardous waste,	
15.2 C	hemical	safety assessment	:				

None

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

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



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Trading name:	HCL REAGENT, HEMOGNOST PERLS					
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version: 4		

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking			
1.1.	Product identifier	ct identifier					
	Trading name:	HCL REAGE	NT, HEMO	GNOST PERLS			
	Chemical name:	-					
	Catalogue number:	HCLH-OT-X	(**				
1.2.	Relevant identified use	es of the subs	tance or mi	xture and uses advised against			
	Uses:		For use w	ith special staining kits in histopathology.			
	Uses advised against:		Only the	identified uses are advised.			
	Reason why uses advis	The product is intended for use only as an <i>in vitro</i> diagn medical device, registered at the Agency for Medicinal P Medical Devices and there is no reason to use it for othe					
1.3.	Details of the supplier	of the safety	data sheet				
	Supplier:	Bi	oGnost Ltd				
	Address:	М	edjugorska	59, Zagreb			
	Telephone number:	+3	+385 1 2409997				
	Fax no.:	+3	385 1 2404	039			
	e-mail of competent p	erson: <u>m</u>	sds@biogn	<u>iost.hr</u>			
	National contact:	-					
1.4.	Emergency telephone	number					
	National Protection ar	d Rescue Dire	ectorate:	112			
	Medical information:			+385 1 2348 342			
	Other information:	-					

SECTIO	SECTION 2. Hazards identification						
2.1.	Classification of the substance or	mixture					
2.1.1.	Classification according to Regula	tion (EC) No 12	72/2008 (CLP)				
	Hazard class and category	code:	Hazard statements*:				
	Not identified as hazardous subst	ance.	-				
2.1.2.	Additional information						
	-						
*For ful	l text of Hazard- and EU Hazard-sta	itements: see Se	ection 16				
2.2.	Label elements						
	Product identification:	HCL REAGEN	, HEMOGNOST PERLS				
	Identification number:	-					
	Authorization no.:	-					
	Hazard pictograms:	-					



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Trading name:	HCL REAGENT, HEMOGNOST PERLS						
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version: 4			

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

SECTION 3. Co	SECTION 3. Composition/information on ingredients								
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)					
7647-01-0/ 231-595-7/ 017-002-00-2	-	0.7 - 1 %	hydrochloric acid	Skin Corr. 1B; H314 STOT SE 3; H335					

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	aider:	Treat symptomatically.				
4.2.	Most important symptoms	and eff	ects, both acute and delayed				
	Following inhalation:	No i	nformation available				
	Following skin contact:	No i	nformation available				
	Following eye contact:	No i	nformation available				



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Trading name:	HCL REAGENT, HEMOGNOST PERLS						
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version:	4		
			·				

	Following ingestion: No information available
4.3.	Indication of any immediate medical attention and special treatment needed
	_

SECTIC	CTION 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 of Cool closed containers exposed to	compressed air breathing apparatus and fireproof clothing. fire with water spray or vapor.			
5.4.	Additional information				
	Remove sources of heat and igniti	on.			
	Do not contaminate the environm	ent with extinguishing media.			

SECTIO	N 6. Accidental release measu	res	
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
	Protective equipment:	Use personal protective equipment (see Section 8).	
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. 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 (se	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 containment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures: Sand or clay barriers.		



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Trading name:		HCL REAGENT, H	EMOGNOST PERLS	
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version: 4
		Where possible, the substan	•	5

6.3.2.	Cleaning up:	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	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep away from source not smoke.	ces of heat and ignition. Do		
	Measures to prevent aerosol and dust generation	Secure proper ventilat	tion.		
	Measures to protect the environment:	Prevent spilling into the waterways.	he sewage system and		
	Other measures:	-			
7.1.2.	.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:		upright set containers in a well and away from sources of heat, patible substances.		
	Packaging materials:	anufacturer's original pa	ckaging.		
	Requirements for storage rooms and vessels:	ep away from food and only htly closed.	drink. Keep the containers		
	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:	d do not use empty cont	naterial in the storage room tainers for storing other th incompatible materials (see		
7.3.	Specific end use(s)				



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Trading name:		HCL REAGENT, HE	MOGNOST PERLS	
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version: 4

Recommendations:	-
Industrial sector specific solutions:	-

SECTION 8. Exposur	e contr	ols/persona	al protec	tion				
8.1. Control para	meters							
Substance					upational exposure limit lues/short term values		Biological limit values	
					ppm	mg/m³		
-		-			-	-	No informa	ation available
Substance - name:								
EC No: -		CAS No:	-					
DNEL								
				Inc	dustrial			
Route of exposure:		Acute		Acut		Chron		Chronic
Noute of exposure.	effe	ect local	effe	ect sys	temic	effect lo	ocal	effect systemic
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-	-			-	-		
Critical physical parar	neters: s	solubility, fla	mmabili	ty, cor	rosivity:	-		
				Со	nsumer	1		
Route of exposure:				Acut		Chron		Chronic
	effe	ect local	ocal effect sys		temic	effect lo	ocal	effect systemic
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-		-	-		
PNEC								
Environmental protec	tion tar	get			PNEC			
Fresh water					No information available			
Freshwater sediments				mation availabl				
Marine water				mation availabl				
Marine sediments			No information available					
Food chain				No information available				
Microorganisms in se	wage tr	eatment			No information available			
Soil (agricultural)					No infor	mation availabl	e	



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Trading name:	HCL REAGENT, HEMOGNOST PERLS				
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version:	4

Air			No information available		
8.2.	Exposure controls				
8.2.1.	Appropriate engineering	controls	S		
	Substance/mixture relate measures to prevent expe 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 pr exposure:	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 prevent exposure:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equi	oment			
8.2.2.1.	Eye and face protection:	ion: Safety glasses that stick to face (preventing splashing) (EN visor.			
8.2.2.2.	Skin protection				
			ective gloves must be according to the EU Directive 2016/425/EEC and lard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long es (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a 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	5		
	Substance/mixture related measures to prevent exposure:		See Section 6		
	Structural measures to pr exposure:	revent	Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to pr exposure:	event	See Section 6		



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Trading name:	HCL REAGENT, HEMOGNOST PERLS						
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version: 4			

		Value	Method
	Physical state:	liquid	No information available
	Color:	colourless	No information available
	Odour/odour threshold:	no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	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
	Other information		

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.
10.3.	Possibility of hazardous reactions:	No information available.
10.4.	Conditions to avoid:	No information available.
10.5.	Incompatible materials:	No information available.
10.6.	Hazardous decomposition products:	No information available.

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



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Trading name:	HCL REAGENT, HEMOGNOST PERLS						
Product code:	Date of compilation:	14 November 2022	Version: 4				

Acute toxic	ity:				
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure ti	me Results
Oral exposure:	No information available	-	LD ₅₀	-	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	-	-
Specific tar	get organ toxicity – si	nale exposure (S			
opecine tur		c effects	Target	organ	Note
Oral exposure:	No information a		No informatio	_	-
Dermal exposure:	No information a		No information		-
Inhalation exposure:			No information		-
	1				
•	1	No infor	mation available		
Aspiration	1	No infor	mation available		
Aspiration	1	No infor	mation available		
Aspiration	hazard:	No infor	mation available Evaluation	Method	Note
Aspiration	hazard: nd corrosion:			Method -	Note
Aspiration I Irritation ar	hazard: nd corrosion: Exposure time	Species	Evaluation		Note
Aspiration I Irritation ar Skin irritation:	hazard: nd corrosion: Exposure time -	Species -	Evaluation -		Note
Aspiration I Irritation ar Skin irritation:	hazard: nd corrosion: Exposure time - -	Species -	Evaluation -		Note
Aspiration I Irritation ar Skin irritation: Eye irritation:	hazard: nd corrosion: Exposure time - -	Species - -	Evaluation -		Note
Aspiration I Irritation ar Skin irritation: Eye irritation: Sensitizatio	hazard: nd corrosion: Exposure time - - on	Species - - able	Evaluation -		Note
Aspiration I Irritation ar Skin irritation: Eye irritation: Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time - - on No information availa No information availa	Species - - able able	Evaluation - -		Note
Aspiration I Irritation ar Skin irritation: Eye irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms	hazard: nd corrosion: Exposure time - - on No information availa	Species - - able able I, chemical and t	Evaluation - -		Note
Aspiration I Irritation ar Skin irritation: Eye irritation: Eye irritation: Sensitizatio Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	hazard: nd corrosion: Exposure time - - n No information availa No information availa related to the physica	Species able able I, chemical and t	Evaluation - -		Note
Aspiration I Irritation ar Skin irritation: Eye irritation: Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time - - on No information availa No information availa related to the physica No information av No information av	Species able able able l, chemical and t railable railable	Evaluation - -		Note



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Trading name:		HCL REAGENT, H	EMOGNOST PERLS		
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version:	4

		Dose	Exposure time	Species	Me	ethod	Evaluatior	n Note
Subacute oral	No ir availab	oformation ble	No information available	No informatic available		ormation ailable	No informatic available	on -
Subacute dermal	No ir availat	oformation De	No information available	No informatic available		ormation ailable	No informatic available	on -
Subacute inhalation	No ir availab	nformation ble	No information available	No informatic available		ormation ailable	No informatic available	on -
Subchronic oral	No ir availat	oformation De	No information available	No informatic available		ormation ailable	No informatic available	on -
Subchronic dermal	No ir availab	oformation ble	No information available	No informatic available		ormation ailable	No informatic available	on -
Subchronic inhalation	No ir availab	oformation De	No information available	No informatic available		ormation ailable	No informatic available	on -
Chronic oral	No ir availab	oformation ble	No No information information available available		on info	NoNoinformationinformationavailableavailable		on -
Chronic dermal	dermal No information available		No No information information available available		on info	No No information information available available		on -
Chronic inhalation	No ir availat	oformation ble	No information available	No informatic available		ormation ailable	No informatic available	on -
Specific	target o	organ toxicit	y – repeated e		OT RF).			
Jpeeme		5	pecific effects	<u>, , , , , , , , , , , , , , , , , , , </u>		Target orga	an	Note
Subacute oral			tion available			mation avai		

	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:		HCL REAGENT, HI	EMOGNOST PERLS	
Product code:	HCL REAGENT, HEMOGNO HCLH-OT-X** Date of compilation: 14 Nov	14 November 2022	Version: 4	

Chronic	inhalation	No informa	tion available	No information available	-					
	CMR effects (carcinogenicity	; mutagenicity; repro	oductive toxicity)						
	Carcinogenic	ity:	Based on available data, the classification criteria are not met.							
	Mutagenicity	in-vitro:	Based on availa	ble data, the classification criteria ar	e not met.					
	Genotoxicity:		Based on availa	ble data, the classification criteria ar	e not met.					
	Mutagenicity	in-vivo:	Based on availa	Based on available data, the classification criteria are not met.						
	Germ cell mu	tagenicity:	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.							
	Reproductive	toxicity:								
	Summary of e	evaluation of th	the CMR properties: -							
11.2.	Information of	on other hazard	ls:							
11.2.1.	Endocrine dis	srupting proper	rties:							
	No known en	docrine 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 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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Trading nam	e:			H	ICL REAGENT, H	IEM	OGNOST PE	RLS			
Product code	e: H	HCLH-OT-X*	:*	Date	e of compilation:	14	4 November	2022	Version:		4
Algae/aquatic	plants	IC ₅₀	72 hou	rs	No information available		information ilable	No inform availab		_	
Other organis	ms	-	-		-	-		-		-	
		and degradab	oility								
Abiot	-	adation					Ye a				
	Deg	gradation half	f-lives		Method		Ev	aluatior)		Note
Marine water	No in	formation ava	ailable	No	information availa	ble	No informat	ion avai	ilable	-	
Fresh water	No in	formation ava	ailable	No	information availa	ble	No informat	ion ava	ilable	-	
Air	No information available			No	information availa	ble	No informat	ion ava	ilable	-	
Soil	No in	formation ava	ailable	No	information availa	ble	No informat	ion avai	ilable	-	
	egradati					-					
% Degradatio		Time (days		Method			Evaluation		Note		
No informatio available		o inforn ailable		No ir availa	nformation able		No information available		No information available		
avaliable	ave			avant		uv		ų	valiable		
12.3. Bioac	cumula	tive potentia									
		er partition co		t (log	Kow)						
Value	Conce	entration	pН	°C	C Method		Evaluati	on		Note	
_	No ir availabl	nformation e	-	-	No informatic available	on	No informat available	ion	-		
Bioco	oncentra	ation factor (E	BCF)								
Value		Specie			Method		Evaluation		1	Note	
No informatio available		· · ·	ormatior		o information vailable		o information vailable		No inforn available		1
	d			dV		d١			avanable		
1											
Chroi	nic ecot	oxicity									



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		1								Page	12 of	16
Trading	g name:			HCL F	REAGE	NT, HI	EMOGN	IOST PER	LS	,		
Produc	t code:	НС	CLH-OT-X**	Date of compilation:			14 No	vember 2	022	Version: 4		4
	Value		Dose	Exposure time	Spe	cies	Met	hod	Evaluation			Note
Chronic	toxicity	on fish	LC ₅₀	No information available	No inforn availa	nation ble	No inform availab	ation ir	lo nformati vailable			
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No No information info available ava		nation ble	information in		lo nformati vailable	on	-		
10.4	N.4. 1. 111	• •										
12.4.	Mobility		licted distributi	on in environm	ontal a	ompart	mente					
		•	n available			ompart						
	Surface											
	Valu		°C	Concentra	tion		Metho	d	No		ote	
	No informa availabl		No information available	No information No		No inf availab	information		-			
	Adsorp	tion / d	esorption									
Transpo	ort		coefficient 's constant	log Kow	Ev	aporati	on rate	Meth	nod		No	te
Soil-wat	ter No av	o ailable	information	No informatio available		No information available		No information available		-		
Water-a	air No av	o ailable	information	No informatio available		inform ailable	ation	No information available		-		
Soil-air	No av	o ailable	information	No informatio available		inform ailable	ation	No inforn available	nation	-		
12.5.			and vPvB asses	ssment								
	No info	rmatio	n available									
12.6.	Endocri	no dicr	upting properti	05								
12.0.			locrine disrupti		hat affe	oct the	environg	pent				
	INU KIIU		ocine usiupti	ng properties t								
12.7.	Other a	adverse	effects									
	No adv	verse ef	fects are expec	ted.								



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Trading name:	HCL REAGENT, HEMOGNOST PERLS						
Product code:	HCLH-OT-X**	Date of compilation:	14 November 2022	Version: 4			

		•
SECTIO 13.1.	N 13. Disposal considerat Waste treatment metho	
15.1.	waste treatment metho	us
13.1.1.	Product/Packaging disp	osal:
	Submit for disposal to the Protection.	ne legal person authorized by the Ministry of Environmental and Nature
13.1.2.	Waste codes/waste desi	gnations according to Law:
	No information available	2
13.1.3.	Waste treatment – relev	ant information:
	No information available	2
13.1.4.	Sewage disposal – relev	ant information:
	Waste must not be disp	osed of into the sewage system.
13.1.5.	Other disposal recomme	endations:
	authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors try in charge. Do not dispose of the packaging into the sewage system. Submit llectors authorized by the ministry in charge. Do not dispose of in places where
13.1.6.	Relevant Community pro	ovisions:
	-	
SECTIO	N 14. Transport informati	ion
	Transporting/shipment by	road (ADR)
UN num	lber:	Not subject to transport regulations.
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environmentally hazardous:		-
Special J	precautions for user:	-
	Transporting/shipment by	rail (RID)
UN num	ıber:	Not subject to transport regulations.
UN prop	per shipping name:	-



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Product code:	HCLH-OT-X**	Date of compilation: 14 November 2022	Version: 4			
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Inland wat	erway transport (AD	N)				
UN number:		Not subject to transport regulations.				
UN proper shipping	g name:	-				
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				
Special precautions for user: -						
Transporti	ng/shipment by sea	(IMDG)				
UN number:		Not subject to transport regulations.				
UN proper shipping	g name:	-				
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Transporti	ng/shipment by air (ICAO-TI/IATA-DGR)				
UN number:		Not subject to transport regulations.				
UN proper shipping	g name:	-				
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				
Special precautions	s for user:	-				
Further information	n: The product	is not subject to classification.				

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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Trading	name:		HCL REAGENT,	HE	MOGNOST PERLS		
Product	code:	HCLH-OT-X**	Date of compilatior	1:	14 November 2022	Version:	4
	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 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			tion and Agency, Io 793/93 Directive 5/EC and April 2004 he use of ducts and and safety ncil of 16 nces and 5/EC, and	
	Informatio guideline)		(13/EC about limitation of e	miss	sions of volatile organic c	ompounds (\	/OC-
	National l	egislation:	Chemicals Act, Regulation dangerous substances, Or and on biological limit value classification of waste with Ordinance on writing Mate Substances Act	dina ues, a v	nce on occupational exp Regulation on categories vaste catalog and list of h	osure limit va s, types and azardous wa	ilues ste,
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.	Key literature references and source of data:	-			
16.4. Classification and procedure use 1272/2008 (CLP)		sed to derive the	classification for mixture according to Regulation (EC)		
Classifie	cation	Classification pro	cedure		



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

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Trading name:	HCL REAGENT, HEMOGNOST PERLS						
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16.5.	Relevant H statements (number and full text)				
	H: 314 Causes severe skin burns and eye damage.				
	335 May cause respiratory irritation.		May cause respiratory irritation.		
16.6.	Training advice: -		-		
			** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	5.7. 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



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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION						
Product code:	KHC-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			

SECTI	ON 1 IDENTIFICATION	OF THE SUBS	STANCE/MI	XTURE AND OF THE COMPANY/UNDERTAKING		
1.1.	Product identifier					
	Trading name:	POTASSIUN	M HEXACYA	NOFERRATE, SOLUTION		
	Chemical name:	-				
	Catalogue number:	KHC-OT-X*				
1.2.	Relevant identified uses of the substance or mixture and uses advised against			xture and uses advised against		
	Uses:		For use w	ith HemoGnost Perls kit.		
	Uses advised against:		Only the i	dentified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes			
1.3.	Details of the supplier	Details of the supplier of the safety data sheet				
	Supplier: Bi		ioGnost Ltd.			
	Address:	Ν	Medjugorska 59, Zagreb			
	Telephone number:	+	-385 1 2409997			
	Fax no.:	+	+385 1 2404039			
	e-mail of competent p	erson: <u>m</u>	<u>msds@biognost.hr</u>			
	National contact:	-				
1.4.	Emergency telephone	Emergency telephone number				
	National Protection an	d Rescue Dir	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2 HAZARDS INFORMATION					
2.1.	Classification of the substance o	r mixture				
2.1.1.	Classification (REGULATION (EC)	No. 1272/2008	(CLP)			
	Hazard class and category code: Hazard statements*:					
	Not identified as hazardous sub	stance.	-			
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-s	tatements: see S	ection 16			
2.2.	Classification according to EC Di	rective Nr. 1272,	/2008 CLP)			
	Product identification:	POTASSIUM	HEXACYANOFERRATE, SOLUTION			
	Identification number:	-				
	Authorization no.: -					
	Hazard pictograms:	-				



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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION							
Product code:	KHC-OT-X**	Date of compilation:	21 Dec 2022	Version: 4				

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

SECTION 3 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	-

SECTI	SECTION 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 aider	r: Treat symptomatically.	
4.2.	Most important symptoms and effects, both acute and delayed		
	Following innalation.	According to our findings, chemical, physical and toxicological properties the substance have not been entirely tested.	
	Following skin contact.	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	



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Trading name: Product code:		POTASSIUM HEXACYANOFERRATE, SOLUTION		
		KHC-OT-X**	Date of compilation: 21 Dec 2022 Version: 4	
	Following eye contact: Following ingestion:		According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested. According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	
4.3.	Indication	n of any immediate medical attention and special treatment needed		
	-			

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



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Trading name: Product code: KHC-OT-X**			POTASSIUM HEXACYANOFERRATE, SOLUTION				
		KHC-OT-X**		Date of compilation:	21 Dec 2022	Version: 4	
6.3.2. Cleaning up:		up:	mater in tigl ventil perso Prote	e possible, the substance of rial (sand, diatomaceous ea ntly closed impermeable co ated storage rooms until d ns authorized by the Minis ction. After disposal of the rials with water.	arth, vermiculite). Pla ontainers. Store the lisposal. Submit for stry of Environmenta	ace the waste material substance in well disposal to the legal al and Nature	
6.3.3.	3.3. Other information:		-				
6.4.	Reference	e to other sections					
	-						

SECTIO	N 7 HANDLING AN STORAGE				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.			
	Measures to prevent aerosol and dust generation	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. Th	noroughly 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 a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.			
	Packaging materials:	Manufacturer's original packaging.			
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.			
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.			
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).			
7.3.	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			



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Product code:	KHC-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			

8.1. Control par	ameters							
Substance		CAS No			exposure limit t term values	Biological limit values		
				ppm	mg/m ³			
-		-		-	-	No information available		
Substance								
		CAS No:	-					
DNEL	DNEL							
				Industrial				
Route of exposure:		Acute ect local	effe	Acute ect systemic	Chronic effect loc			
Oral	-				-	-		
Inhalation	-	-			-	-		
Dermal				-	-			
Critical physical para	meters: s	olubility, flam	mabilit	ty, corrosivity:	-			
				Consumer				
Route of exposure:		Acute ect local	effe	Acute ect systemic	Chronic effect loc			
Oral	-	-			-	-		
Inhalation	-	-			-	-		
Dermal	-	-			-	-		
PNEC				F				
Environmental prote	ction tar	get		PNEC	PNEC			
Fresh water					No information available			
Freshwater sediment	S				No information available			
Marine water					rmation availab			
Marine sediments					rmation availab			
Food chain				No information available				
Microorganisms in sewage treatment				rmation availab				
Soil (agricultural)					rmation availab			
Air			No info	No information available				



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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION					
Product code:	KHC-OT-X**	Date of compilation:	21 Dec 2022	Version: 4		

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

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES						
9.1.	Information on basic physical and chem	nical properties				
	Value Method					



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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION						
Product code:	KHC-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			

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

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

SECTIO	N 11 TOXICOLOGICAL INFORMATION
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
	Acute toxicity:



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	ar	nended by Reg	Julation (EU) No.	. 2020/070	I	Page 8 of 16	
Trading name:		POTASSIUM H	EXACYANOFERR	ATE, SOLU	TION		
Product code:	KHC-OT-X**	Date of c	Version: 4				
		1	1				
Route of exposure:	Method		Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure	time	Results	
Oral exposure:	No information available	-	LD ₅₀	-		-	
Dermal exposure:	No information available	-	LD ₅₀	-		-	
Inhalation exposure:	No information available	-	LC ₅₀	-		-	
Specific ta	rget organ toxicity – s	ingle exposure (S	TOT SE):	1			
	Speci	fic effects	Target org	jan	Note		
Oral exposure:	No information	No information available		n -	-		
Dermal exposure:	No information	No information available		n -	-		
Inhalation exposure	: No information	No information available		No information			
	· · · · · · · · · · · · · · · · · · ·						
Respirator	y irritation:	No infor	mation available				
Irritation a	nd corrosion						
	Exposure time	Species	Evaluatio	n	let od	Note	
Skin irritation:	-	-	-	-	-		
Eye irritation:	-	-	-	-	-	•	
Sensitizatio	on						
Dermal exposure:	No information avai	ilable					
Inhalation exposure:	No information available						
Symptoms	s related to the physic	al, chemical and t	oxicological charac	teristics			
Oral exposure:	No information a	ivailable					
Dermal exposure:	No information a	vailable					
Inhalation exposure	Ire: No information available						

No information available

Eye exposure:



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Product code:	KHC-OT-X**	Date of compilation:	21 Dec 2022	V

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	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No informatio available	No information available	No information available	-
Subacute dermal	No information available	No information available	No informatio available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No informatio available	No information available	No information available	-
Subchronic oral	No information available	No information available	No informatio available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No informatio available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No informatio available	No information available	No information available	-
Chronic oral	No information available	No information available	No informatio available	No information available	No information available	-
Chronic dermal	No information available	No information available	No informatio available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No informatio available	No information available	No information available	-
Specific	target organ toxicit	v - repeated e	vposure (ST(
Jpeeme		pecific effects		Target org	an	Note
Subacute oral		ation available	1	No information ava		
Subacute dermal	No informa	ation available		No information ava	ilable -	
Subacute inhalat	ion No informa	ation available	1	No information ava	ilable -	
Subchronic oral	No informa	ation available	I	No information ava	ilable -	
Subchronic derm	al No informa	ation available	1	No information ava	ilable -	
Subchronic inhal	ation No informa	ation available	1	No information ava	ilable -	
Chronic oral	No informa	ation available	I	No information ava	ilable -	



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Trading	name:			ΡΟΤΑ	SSIUM HEX	ACYANOF	ERRATE, SOLUT	ION	
Product	code:	KH	C-OT-X**		Date of com	npilation:	21 Dec 2022	Version:	4
Chronic	dermal		No informatio	n availa	ble	No inforn	nation available	_	
Chronic	inhalation		No informatio	n availa	ble	No inforn	nation available	-	
	CMR effec	cts (ca	arcinogenicity, n	nutagen	icity, reprodu	ctive toxicit	y)		
	Carcinoge	nicity	/:	Based	l on available	data, the cl	assification criteria	are not met.	
	Mutageni	city <i>ir</i>	n-vitro:	Based	l on available	data, the cl	assification criteria	are not met.	
	Genotoxic	ity:		Based on available data, the classification criteria are not met.					
	Mutageni	city <i>ir</i>	n-vivo:	Based on available data, the classification criteria are not met.					
	Germ cell	muta	agenicity:	Based	l on available	data, the cl	assification criteria	are not met.	
	Reproduc	tive t	oxicity:	Based on available data, the classification criteria are not met.					
	Summary	of ev	aluation of the (CMR pro	operties: -				
11.2			other hazards:						
11.2.1.			upting propertie						
	contain have end according Commissi 2017/210	comp locrin to on D 0 or	ce/mixture dc ponents consid ne disrupting p REACH Article elegated regula Commission Re 5 at levels of	ropertie 57(f) c tion (El egulatio	co es or J)				
11.2.2.	Other info	rmat	ions:						
	-								

SECTION 12 ECOLOG		MATION:				
12.1. Toxicity						
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	-	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	-	-



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Trading name:	ΡΟΤΑ	ASSIUM HEXACYANOF	ERRATE, SOLUTIO	N
Product code:	KHC-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

Microorganisms	LC ₅₀	72 hours	-	-	-	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12.2. Persistence and degradability

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

Biodegradation

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

12.3. Bioaccumulative potential

Partition coefficient: n-oc	tanol/water (log Kow):
-----------------------------	------------------------

Value	Concentration	рΗ	°C	Method	Evaluation	Note
-	No information available	-	-	No information available	No information available	-



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F	POTASSIUM HEXACYANOF	ERRATE, SOLUT	ION
KHC-OT-X**	Date of compilation:	21 Dec 2022	Version: 4
ration factor (BCE)			
		KHC-OT-X** Date of compilation:	

\	/alue		Species		Meth	od	Evaluation		Note	е
No info availab	ormation lle	No availa	inform ble	nation No information available		tion	No information available		No information availab	
	Chronic e	ecotoxici	ty							
	Value		Dose	Exposur time	e s	Species	Method		Evaluation	Note
Chroni	c toxicity o	n fish	LC ₅₀	No informatio available		ormation	No information available	1	o information ailable	-
	c toxicity o cea (<i>Daphn</i>		EC ₅₀	No informatio available		ormation ailable	No information available		o information ailable	-
12.4.	Mobility	in soil								
			ed distributi	on in enviro	onmenta	al compart	ments:			
	No infor	mation a	vailable							
	Surface t	ension:								
	Value	2	°C	Conce	ntration		Method		Not	e
	No informat available		o formation ailable	No info available		No inf availat	ormation ble		-	
	Adsorpti	on / desc	orption							
Transp	ort	on / desc A/D coe Henry's c	fficient	log Kc	w	Evap	oration rate		Method	Note
Transp Soil-wa	ort I	A/D coe Henry's c	fficient	log Kc No inform available	nation	•	oration rate nation available		Method No information available	Note -
	ort I ater No avair No	A/D coe Henry's c iı lable	fficient onstant	No inform	nation	No inform			No information	- -



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Trading	name.		POTASSIUM HEXACYANOF	ERRATE SOLUT	Page 13 of 16	
Trading name: Product code:		KHC-OT-X**Date of compilation:21 Dec 2022Version:4				
FIGUUC	t coue.		Date of compliation.	21 Dec 2022	version. 4	
12.5.	Results of	PBT and vPvB assessn	nent			
	The substance/mixture does not contain components considered to have endocrine disrupting pro according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commiss Regulation (EU) 2018/605 at levels of 0.1% or higher.					
12.6.	Endocrine	disrupting properties				
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.					
12.7.	Other adve	erse effects				
	No informa	ation available				
SECTIO	N 13 DISPO	SAL CONSIDERATIO	ONS			
13.1.	Waste tre	eatment methods				
	3					
13.1.1.	Product/Packaging disposal:					
	Submit fo Protectic		al person authorized by the Mir	nistry of Environme	ntal and Nature	
1212						
13.1.2.	Waste codes/waste designations according to Law: No information available					
	INO IMON					
13.1.3.	Waste tre	eatment – relevant inf	formation:			
	No information available					
	8					
13.1.4.	Sewage	disposal – relevant inf	formation:			
	Waste m	ust not be disposed o	of into the sewage system.			
13.1.5.	Other dis	sposal recommendation	ons:			
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.					
13.1.6.	Relevant	Community provision	ns:			



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Trading name:		ΡΟΤΑ	SSIUM HEXACYANO	ERRATE, SOLUT	ION
Product code:	KHC-OT-X**		Date of compilation:	21 Dec 2022	Version: 4
	NSPORT INFORMA				
	ting/shipment by roa	Ī			
UN number:		No	t subject to transport regu	ulations.	
UN proper shippir	5	-			
Transport hazard	class(es):	-			
Packing group:	-	-			
Environmentally h		-			
Special precaution		-			
	ting/shipment by rai				
UN number:		No	t subject to transport regu	ulations.	
UN proper shippir	-	-			
Transport hazard	class(es):	-			
Packing group:		-			
Environmentally h		-			
Special precaution		-			
<u>i</u>	aterway transport (Al	1			
UN number:		No	t subject to transport regu	ulations.	
UN proper shippir		-			
Transport hazard class(es):		-			
Packing group:		-			
Environmentally hazardous:		-			
Special precaution		-			
	ting/shipment by sea				
UN number:		No	t subject to transport regu	ulations.	
UN proper shipping name:		-			
	Transport hazard class(es):				
Packing group:		-			
Environmentally h		-			
Special precaution		-			
· · ·	ting/shipment by air	-			
UN number:		No	t subject to transport regu	ulations.	
UN proper shippir		-			
Transport hazard	class(es):	-			
Packing group:		-			
Environmentally h	azardous:	-			



Page 15 of 16Trading name:PortASSIUM HEXACYANOFERRATE, SOLUTIONProduct code:KHC-OT-X**Date of compilation:21 Dec 2022Version:4Special precautions for user:-----Further 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:	-		
	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 or organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain 		
		dangerous substances, mixtures and articles (Annex XVII);		
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC- guideline)			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act		
15.2.	Chemical safety assessme	ent		
	None			

SECTION 16 Other information		
16.1.	Indication of changes:	-



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Tradin	ng name:		POTASSIUM HEXACYANOFERRATE, SOLUTION				
Product code:		KHC-OT-X**	Date of compilation: 21 Dec 2022 Version: 4				
16.2.	Abbreviat	ions 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 literat source of	ure references and data:	-				
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)						
Classification			Classification procedure				
-			-				
16.5.	Relevant H statements (number and full text)						
	H: -		-				
16.6.	Training a	dvice:	-				
16.7.	Further in		** "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					

ANNEX:

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Exposure scenario resulting to Chemical safety assessment