

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

PERLS-VAN GIESON KIT

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 REAGENT				
Product code:	FAG-OT-X**	Date of compilation:	03 Sep 2019	Version:	4

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking	
1.1	Product identifier	Product identifier			
	Trading name:	FUCHSIN A	CID VAN (GIESON REAGENT	
	Chemical name:	-			
	Catalogue number:	FAG-OT-X*	*		
1.2	Relevant identified use	s of the subst	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: medical device, registered at the Ag		duct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection an	d Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	DN 2. Hazards identification				
2.1	Classification of the substar	nce or mixture			
2.1.1	Classification according to F	Regulation (EC) No 12	72/2008 (CLP)		
	Hazard class and ca	tegory code:	Hazard statements*:		
	Not identified as hazardous	substance.	-		
2.1.2.	Additional information				
	-				
*For fu	II text of Hazard- and EU Haza	ard-statements: see SI	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	
	-	

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

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

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4.3 Indication of any immediate medical attention and special treatment needed _

SECTIO	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media: water spray, dry powder, 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 no contaminate the environment with extinguishing media.				

SECTIO	SECTION 6. Accidental release measures				
6.1	Personal precautions, protective equipment and emergency procedures				
6.1.1.	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 case of inadequate ventilation use adequate airways protective equipment (see Section 8).				
6.2	Environmental precautions:				
	Do not dispose of in sewage, o Protection and Rescue Directo	drainage system and waterways. In case of large spillage contact National rate (NPRD) on 112.			
6.3	Methods and material for cont	ainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.			
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.			



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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 information.			

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:	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:	well ventil	yhtly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.			
	Packaging materials:	Manufactu	ırer's original packaging.			
	Requirements for storage rooms and vessels:	Keep away tightly clos	r from food and drink. Keep the containers sed.			
	Advices for storage equipment:	The storage must be made of hard material; flo must be resistant to chemicals. There must be that directly leads into sewage system. Secure ventilation.				
	Further information on storage conditions:	and do no	ace the unused material in the storage room t use empty containers for storing other Do not store with incompatible materials on 10).			
7.3	Specific end use(s)					
	Recommendations:	-				
	Industrial sector specific solutions:	-				

SECTION 8. Exposure controls/personal protection

ΟΛΕΕΤΎ ΠΛΤΛ CUEET

BIOGN	IOST	®	Accordin			ra shei on (EC)		907/2006		
									Page 5 of 16	5
Trading name:	5							EAGENT		
Product code:	FAG-O	Г-Х**	D	ate of	compila	ation:	03 S	ep 2019	Version:	4
8.1 Control p	arameters									
Substanc	0	CA	S No			exposure term va		Biolo	gical limit values	
Substance	C		13 110		om	mg/		ыюю	gical milit values	
-			-	1-1	-	-		-		
Substance name:	-									
EC No:	-	CAS No): -							
DNEL		•	i							
				Indu	strial					
Route of	Ac	ute	Acut	e		Chror	nic		Chronic	
exposure:	effect	t local	effect sys	stemic		effect l	ocal		effect systemic	
Oral	-		-		-			-		
Inhalation	-		-		-			-		
Dermal	-		-		-			-		
Critical physical pa	arameters:	solubility,	flammabilit	-	-	-				
					sumer					
Route of		cute	Acut			Chror			Chronic	
exposure:	effe	ct local	effect sys	stemic		effect l	ocal		effect systemic	
Oral Inhalation	-		-		-			-		
Dermal	-		-		-					
PNEC					I					
Environmental pro	otection tar	aet		P	NEC					
Fresh water		<u> </u>		n	o inforn	nation av	/ailable			
Freshwater sedim	ents			n	no information available					
Marine water				n	no information available					
Marine sediments				n	no information available					
Food chain				n	no information available					
Microorganisms in	n sewage ti	reatment		n	o inforn	nation av	/ailable			
Soil (agricultural)	5			n	o inforn	nation av	/ailable			
Air				n	o inforn	nation av	/ailable			
				I						
8.2 Expo	sure contro	ols								
8.2.1. Appr	opriate eng	gineering	controls							



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	Substance/mixture related measu prevent exposure during identifie		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.		
Technical measures to prevent exp		Secure proper workspace ventilation in order to keep			
8.2.2.	Personal protection equipment				
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of low levels of concentration in air; protective gas mask that covers entire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection				
	Hand protection:		rotective gloves have to satisfy the specification of ation (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber		
			Glove thickness: 0.40 mm Time until perforation: > 480 min		
	Other skin protection:	During everyday work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemi (Viton, PVC, himex) and footwear made from the same material			
8.2.2.3.	Respiratory protection:	with a	tive full face mask (EN 136) or half mask (EN 140) equipped filter for organic vapors, type "A" (boiling point >65°C) ng to EN 14387) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No infe	ormation available		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:	Use m	odern equipment.		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the lace.		
	Technical measures to prevent exposure:	See Se	ction 6		

SECTIO	SECTION 9. Physical and chemical properties					
9.1	Information on basic physical and chemical properties					



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	Value	Method
Physical state:	liquid	No information available
Colour:	red	No information available
Odour:	No information available	No information available
Odor threshold:	No information available	No information available
pH:	No information available	No information available
Melting point / freezing point;	No information available	No information available
Initial boiling point and boiling range:	No information available	No information available
Flash point:	No information available	No information available
Evaporation rate:	No information available	No information available
Flammability (solid, gas):	No information available	No information available
Upper/lower flammability or explosive limits:	No information available	No information available
Vapour pressure:	No information available	No information available
Vapour density:	No information available	No information available
Relative density:	No information available	No information available
Bulk density:	No information available	No information available
Solubility(ies):	No information available	No information available
Partition coefficient: n- octanol/water (log Kow):	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
Viscosity:	No information available	No information available
Explosive properties:	No information available	No information available
 Oxidising properties:	No information available	No information available
Other information		

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



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11.1 Information	ological informati n on toxicological e						
Acute toxic	-						
Route of exposure:	Method	Species	Dos	se LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure t	ime	Results
Oral:	No information available	_	No ir avail	nformation able	_		-
Dermal:	No information available	-	No ir avail	nformation			-
Inhalation:	No information available	-		No information			-
Specific tar	get organ toxicity -	- single expos	sure (ST	fot se):			
	Specific	c effects		Target o	rgan		Note
Oral:	No information av	vailable		No information a	vailable	-	
Dermal:	No information av	/ailable		No information available -			
Inhalation:	No information av	/ailable		No information available		-	
Irritation ar	nd corrosion Exposure t	ime	Specie	es Evaluatio	on Methoc	1	Note
Skin corrosion/irritation:	-	-	opeen	-	-	-	
	_	-		-	-	-	
Serious eye damage/irritation							
damage/irritation	n	mation availa	ıble.				
damage/irritation Sensitizatio	n No infor	mation availa mation availa					
damage/irritation Sensitizatio Skin sensitization:	n No infor						
damage/irritation Sensitizatio Skin sensitization: Respiratory sensitiza	n No infor	mation availa	ıble.	oxicological chara	cteristics		
damage/irritation Sensitizatio Skin sensitization: Respiratory sensitiza Symptoms	n No infor tion: No infor	mation availa ical, chemica	ıble.	oxicological chara	cteristics		
damage/irritation Sensitizatio Skin sensitization: Respiratory sensitiza	n No infor Ition: No infor related to the phys Harmful if swal	mation availa ical, chemica lowed.	ble. I and to	oxicological chara May cause skin irr			
damage/irritation Sensitization Skin sensitization: Respiratory sensitiza Symptoms Oral exposure:	n No infor ition: No infor related to the phys Harmful if swal Harmful if abso	mation availa iical, chemica lowed. rrbed through	ible. I and to n skin. N		itation.		



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n: 03 Sep 2019

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	Dose	Exposure time	Species	Method	Evaluatior	n Note
Subacute oral	No information available	No information available	No information available	No information available	No informatio available	on -
Subacute dermal	No information available	No information available	No information available	No information available	No informatio available	on -
Subacute inhalation	No information available	No information available	No information available	No information available	No informatio available	on -
Subchronic oral	No information available	No information available	No information available	No information available	No informatio available	on -
Subchronic dermal	No information available	No information available	No information available	No information available	No informatio available	on -
Subchronic inhalation	No information available	No information available	No information available	No information available	No informatio available	on -
Chronic oral	Chronic oral No information available		No information available	No information available	No informatio available	on -
Chronic dermal	No information available	No information available	No information available	No information available	No informatio available	on -
Chronic inhalation	No information available	No information available	No information available	No information available	No informatio available	on -

Specific	target organ toxicit		•			
		Specific effec	ts	Target organ		Note
Subacute oral		ition available				-
Subacute dermal		tion available		No information		-
Subacute inhalati		tion available		No information available No information available		-
Subchronic oral Subchronic derm		tion available				_
Subchronic inhal		ition available				-
Chronic oral		ition available		No information		-
Chronic dermal		ition available		No information		_



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Chron	ic inhalation	No information available	e	No information available -				
	CN4D (()	, · · · · · · · · ·	•					
		(carcinogenicity; mutagenic	-					
	Carcinogenic	tity:	Ba	sed on available data, the classification criteria are not met.				
	Mutagenicity	ı in vitro:	Ba	sed on available data, the classification criteria are not met.				
	Genotoxicity:		Based on available data, the classification criteria are not met.					
	Mutagenicity	ı in vivo:	Based on available data, the classification criteria are not met.					
	Germ cell mu	utagenicity:	Based on available data, the classification criteria are not met.					
	Reproductive toxicity: Ba			Based on available data, the classification criteria are not met.				
	Summary of evaluation of the CMR properties:			Based on available data, the classification criteria are not met.				
11.2	Practical exp	eriences:						
	Classification	observations:		No information available				
	Other observ	Other observations:		No information available				
11.3	General note	·S:						
	-							

SECTION 12. Ecological information								
12.1 Toxicity	12.1 Toxicity							
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-		
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-		
Algae/aquatic plants	IC ₅₀	4 days	No information available	No information available	No information available	-		
Other organisms	-	-	-	-	-	-		
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-		



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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 Abiotic degradation Abiotic degradation Algae/according to the provide to the providet to the provide to the provide to the provide to th	
Crustacea: EC ₅₀ 48 hours No information available information available 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 Method Evaluation available No information available - Abiotic degradation half-lives Method Evaluation No information available No information available Marine water No information available No information available No information available - - Fresh water No information available No information available No information available No information available - - Soil No information available No information available No information available No information available - -	sion: 4
Crustacea: EC ₅₀ 48 hours No information available information available information available Algae/aquatic plants IC ₅₀ 72 hours No information available Information	:
Algae/aquatic plantsIC5072 hoursNo information availableinformation availableinformation availableOther \neg ganismsI2.2Persistence and degradabilityAbiotic degradation half-livesMethodEvaluationMethodEvaluationMarine waterNo information availableNo information available-Marine waterNo information availableNo information availableNo information availableFresh waterNo information availableNo information availableNo information availableAirNo information availableNo information availableNo information availableNo information availableSoilNo information availableNo information availableNo information availableNo information availableSoilNo information availableNo information availableNo information availableNo information availableSoilNo information availableNo information availableNo information availableNo information availableNo information availableNo information availableNo information availableNo information availableNo information availableNo information availableNo information availableNo information availableNo information available- <th< td=""><td>-</td></th<>	-
12.2 Persistence and degradability Abiotic degradation Marine water Degradation half-lives Method Evaluation Image: Second	-
Abiotic degradation Degradation half-lives Method Evaluation Marine water No information available No information available No information available - Fresh water No information available No information available No information available No information available - Air No information available No information available No information available No information available - Soil No information available No information available - -	-
Abiotic degradation Degradation half-lives Method Evaluation Marine water No information available No information available No information available - Fresh water No information available No information available No information available No information available - Air No information available No information available No information available No information available - Soil No information available No information available - -	
Degradation half-livesMethodEvaluationMarine waterNo information availableNo information availableNo information available-Fresh waterNo information availableNo information availableNo information available-AirNo information availableNo information availableNo information available-SoilNo information availableNo information availableNo information available-	
Marine waterNo information availableNo information availableNo information available-Fresh waterNo information availableNo information availableNo information available-AirNo information availableNo information availableNo information available-SoilNo information availableNo information available-	Note
Fresh waterNo information availableavailableavailableavailableavailable-AirNo information availableNo information availableNo information availableNo information available-SoilNo information availableNo information availableNo information available	
Air No information available available available Soil No information available No information available No information available	
Soil No information available available available -	
Biodegradation	
biodegradation	
	Note
No information availableNo information availableNo information availableNo information availableNo information available	
12.3 Bioaccumulative potential	
Octanol-water partition coefficient (log Kow)	
Value Concentration pH °C Method Evaluation	Note
<u> </u>	
Bioconcentration factor (BCF)	
	Note
No information available No information available No information available No information available	



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Tradin	g nar	ne:			F	UCHSII	N AC	ID VAN	N GIES	ON REA	٩GE	NT			
Produc	ct coo	de:	FAG-	-OT-X**		Date o	of coi	npilatio	on:	03 Sep	201	19	Ver	sion:	4
									•••••••						
	Chr	onic ec	otoxici	ity					8						
	Va	lue		Dose	Expo tim		Spe	ecies	Met	hod	E٧	aluatior	n	Note	e
Chronic	c toxic	city on t	fish	LC ₅₀	information inf		No inforr availa	nation ble	No information available				-		
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No inform availab				information		No n informatior available						
12.4	Mol	bility in	soil												
	Kno	wn or p	oredict	ted distributi	on in en	vironme	ntal c	ompart	ments:						
	No	informa	ation a	ivailable											
	Surf	face ter	nsion:												
	,	Value		°C	Cor	Concentration Method				Note		lote			
	NoNoinformationinformationavailableavailable				No inf availat	formation - ble		-							
	Ads	orptior	n / des	orption											
Transpo	ort			efficient constant	log	Kow	Εv	Evaporation rat		e Method		od		Note	
Soil-wa	iter	No availa		nformation	No info availab	ormatior le		o inform ailable	ation	No int availa		nation	-		
Water-	air	No availa		nformation	No info availab	ormatior le		o inform ailable	ation	No int availa		nation	-		
Soil-air		No availa		nformation	No info availab	ormatior le		o inform ailable	ation	No int availa		nation	-		
							·								
12.5	Res	ults of I	PBT an	nd vPvB asses	sment										
	Not	applica	able.												
12.6	Oth	er adve	erse ef	fects											
	No further relevant information available.														



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SECTION	N 13. Disp	osal considerations				
13.1	Waste t	reatment methods				
13.1.1.		/Packaging disposal:		· · · ·		
	Submit Protecti		gal person authorized by the Mini	stry of Environment	tal and Nature	
13.1.2.	Waste c	odes/waste designat	ons according to Law:			
	15 01 1 substan	00	ntains residual hazardous substan	ces or is contamina	ted with hazardo	ous
13.1.3.	Waste t	reatment – relevant i	nformation:			
	No info	rmation available				
13.1.4.	Sewage	disposal – relevant ir	oformation:			
	Waste r	nust not be disposed	of into the sewage system.			
13.1.5.	Other d	isposal recommenda	ions:			
	authoriz	zed by the ministry in	ct's remains into the sewage syste charge. Do not dispose of the pa ors authorized by the ministry in cl	ckaging into the se		
13.1.6.	Relevan	t Community provisio	ons:			
	Disposa	l must be made acco	rding to official regulations.			
SECTION						
SECTION		NSPORT INFORMAT ing/shipment by road				
UN num	•	ing/sinplicine by roue	Not subject to transport regul	ations		
	er shippin	a name:	-			
	rt hazard c		-			
Packing			_			
-	nentally ha	azardous:	-			
	precaution		-			
•		ing/shipment by rail	(RID)			
UN num			Not subject to transport regul	ations		
UN prop	er shippin	g name:	-			
Transpoi	rt hazard o	lass(es):	-			
Packing	group:		-			



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Trading name:		FUCHSIN ACID VAN GIESON REAGENT						
Product code:	FAG-OT-X**		Date of compilation:	03 Sep 2019	Version:	4		
Environmentally ha	zardous:	-						
Special precautions for user:		-						
Inland wat	erway transport (ADN)							
UN number:		Not	subject to transport regul	ations				
UN proper shipping	ı name:	-						
Transport hazard cl	ass(es):	-						
Packing group:		-						
Environmentally ha	zardous:	-						
Special precautions	for user:	-						
Transporti	ng/shipment by sea (IN	/DG)						
UN number:		Not subject to transport regulations						
UN proper shipping	name:	-						
Transport hazard cl	ass(es):	-						
Packing group:		-						
Environmentally haz	zardous:	-						
Special precautions	for user:	-						
Transport in bulk a of MARPOL 73/78 a	ccording to Annex II and the IBC code:	-						
Transporti	ng/shipment by air (IC/	40-T	I/IATA-DGR)					
UN number:		Not	subject to transport regul	ations				
UN proper shipping	ı name:	-						
Transport hazard cl	ass(es):	-						
Packing group:		-						
Environmentally has	zardous:	-						
Special precautions	for user:	-						
Further information	: -							

SECTIC	N 15. Regulatory inform	nation
15.1	Safety, health and enviro	onmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or re-	strictions of use
	Authorizations:	-
	Restrictions:	-



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Trading name: Product code: FAG-OT-X**			FUCHSIN ACID VAN GIE	SON REAGENT		
		FAG-OT-X**	Date of compilation:	03 Sep 2019	Version:	4
	Other EU	regulations:	EC Regulation No. 1906/2007 and European Parliament and the Euro Regulation (EC) No. 1907/2006 of registration, evaluation, authorizati (REACH); EC Regulation No. 2037/200 of the 29 June 2000 on substances that d EC Regulation No. 689/2008 of the 17 June 2008 concerning the expo EC Regulation No. 850/2004 of the 29 April 2004 about persistent org Directive 2008/98/EC of the Europe November 2008 on waste and repe	pean Council; the European Parlia ion and restriction of e European Parliame amage the ozone la e European Parliame t and import of da e European Parliame anic pollutants; ean Parliament and	iment and Counc of chemical subst ent and Council fr ayer; ent and Council fr ngerous chemica ent and Council fr Council of 19	il on ances rom rom ıls;
	Information guideline	0	9/13/EC about limitation of emissions	of volatile organic	compounds (VO	C-
	National	legislation:	Chemicals Act, Regulation on class dangerous substances, Ordinance and on biological limit values, Reg classification of waste with a waste Ordinance on writing Material safe Substances Act	on occupational ex ulation on categorie catalog and list of	posure limit value es, types and hazardous waste),
15.2	Chemical	safety assessmer	nt			
	None					

SECTIO	N 16. Other information		
16.1	Indication of changes:	-	
		РВТ	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%
		тсој	Specific target organ toxicity - single exposure
16.3.	Key literature references and source of data:	-	
16.4.	Classification and procedure us 1272/2008 (CLP)	sed to derive the	classification for mixture according to Regulation (EC)
Classific	cation	Classification pro	cedure
-	-		
16.5.	Relevant H statements (numbe	r and full text)	
	H:		
16.6.	Training advice:		



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

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Trading name:		FUCHSIN ACID VAN GIE	SON REAGENT		
Product code: F	AG-OT-X**	Date of compilation:	03 Sep 2019	Version:	4

		** "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



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Trading name:		HCL REAGENT, HEMOGNOST PERLS				
Product code:	HCLH-OT-X**	Date of compilation:	27 June 2019	Version:	3	

SECTI	ON 1: Identification of t	he substance	e/mixture	e and of the company/undertaking	
1.1	Product identifier				
	Trading name:	HCL REAGE	NT, HEMC	DGNOST PERLS	
	Chemical name:	-			
	Catalogue number:	HCLH-OT-X	**		
1.2	Relevant identified use	es of the subst	ance or n	nixture and uses advised against	
	Uses:		For use	with special staining kits in histopathology.	
	Uses advised against:		Only the	e identified uses are advised.	
Reason why uses advised ag		ed 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:		BioGnos	st Ltd.	
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection an	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 Re	egulation (EC) No 12	72/2008 (CLP)		
	Hazard class and cate	gory code:	Hazard statements*:		
	Not identified as hazardous s	ubstance.	-		
2.1.2.	Additional information				
	-				
*For ful	I text of Hazard- and EU Hazard	d-statements: see SI	ECTION 16		
2.2	Label elements				
	Product identification:	HCL REAGENT, H	IEMOGNOST PERLS		
	Identification number:	-			
	Authorization number:	-			
	Hazard pictograms:	-			



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Trading name:		HCL REAGENT, HEMOG	NOST PERLS		
Product code:	HCLH-OT-X**	Date of compilation:	27 June 2019	Version:	3

	Signal word:	-
	Hazard statements:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	-	

SECTION 3. Cor	SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
7647-01-0/ 231-595-7/ 017-002-00-2	-	< 5 %	hydrochloric acid	Skin Corr. 1A; H314 Acute Tox. 3; H331	

SECT	SECTION 4. First aid measures				
4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well- ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.			
	Following ingestion:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.			
	Self-protection of the first aider:	-			
4.2	Most important symptoms and effects, both acute and delayed				
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.			
	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:		HCL REAGENT, HEMO	GNOST PERLS		
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		A finding			

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

SECTIC	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	TION 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 c (see Section 8).	ase of inadequate ventilation use adequate airways protective equipment			
6.2	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.			



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Trading name:	HCL REAGENT, HEMOGNOST PERL		GNOST PERLS		
Product code:	HCLH-OT-X**	Date of compilation:	27 June 2019	Version:	3

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

SECTIO	SECTION 7. Handling and storage						
7.1	Precautions for safe handling	Precautions for safe handling					
7.1.1.	Protection measures						
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.				
	Measures to prevent aerosol and dust generation	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. Thoroughly wash hands after work and before eating.						
7.2	Conditions for safe storage, including any incompatibilities						
	Technical measures and storage conditions:	well ventil	ghtly closed and upright set containers in a ated storage rooms at temperatures ranging > 25 °C. Protect from heat and direct sunlight.				
	Packaging materials:	Manufactu	urer's original packaging.				
	Requirements for storage rooms and vessels:	Keep away tightly clos	y from food and drink. Keep the containers sed.				
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no dra that directly leads into sewage system. Secure proper ventilation.					
	Further information on storage conditions:	and do no	ace the unused material in the storage room at use empty containers for storing other . Do not store with incompatible materials on 10).				



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7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTIC	ON 8. Expos	ure contro	ols/perso	onal pr	otecti	ion			
8.1	Control pa	rameters							
	Substance		CA	S No		•		exposure limit term values	Biological limit values
						р	pm	mg/m ³	-
Hydrog	jen chloride		764	7-01-0		5,	/10	8/15 -	-
Substar	nce name:	-							
EC No:		-	CAS No):	-				
DNEL		•							
						Indu	ustrial		
Route exposu		Acu effect			Acute ct syst			Chronic effect local	Chronic effect systemic
Oral		-		-			-		-
Inhalati	ion	-		-			-		-
Dermal		-		-			-		-
Critical	physical par	ameters: s	olubility,	flamm	ability	, corro	osivity:	-	
						Con	sumer		
Route exposu			cute ct local	effe	Acute ct syst			Chronic effect local	Chronic effect systemic
Oral		-		-			-		-
Inhalati	ion	-		-			-		-
Dermal		-		-			-		-
PNEC									
Environ	nmental prot	ection tar	get			F	PNEC		
Fresh w	vater					r	no information available		
Freshw	ater sedime	nts				r	no information available		
Marine	water					r	no information available		
Marine	sediments					r	no information available		
Food chain				r	no information available				
Microorganisms in sewage treatment				r	no information available				
Soil (ag	ricultural)					r	no inform	ation available	
Air						r	no inform	nation available	



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8.2	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measu prevent exposure during identifie		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent exposure:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.		
8.2.2.	Personal protection equipment	nent			
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				
8.2.2.2.	· · · · ·		otective gloves have to satisfy the specification of ation (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min		
	Other skin protection:	footwe entire imperr	everyday work use cotton clothing (EN 340) and suitable ear, such as rubber boots (EN 20345) or shoes that cover the foot. In case of spilling hazard, use clothing made of neable material suitable for protection from liquid chemicals PVC, himex) and footwear made from the same material.		
8.2.2.3.	Respiratory protection:	with a	tive full face mask (EN 136) or half mask (EN 140) equipped filter for organic vapors, type "A" (boiling point >65°C) ng to EN 14387) used when concentration levels exceed GVI		
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:	Use mo	odern equipment.		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.		



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Technical measures to prevent	See Section 6	
exposure:	See Section 0	

	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	colourless	No information available
	Odour:	No information available	No information available
	Odor threshold:	No information available	No information available
	pH:	No information available	No information available
	Melting point / freezing point;	No information available	No information available
	Initial boiling point and boiling range:	No information available	No information available
	Flash point:	No information available	No information available
	Evaporation rate:	No information available	No information available
	Flammability (solid, gas):	No information available	No information available
	Upper/lower flammability or explosive limits:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Vapour density:	No information available	No information available
	Relative density:	No information available	No information available
	Bulk density:	No information available	No information available
	Solubility(ies):	No information available	No information available
	Partition coefficient: n- octanol/water (log Kow):	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Viscosity:	No information available	No information available
	Explosive properties:	No information available	No information available
	Oxidising properties:	No information available	No information available
2	Other information		

SECTION 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 chemically stable under standard ambient conditions of storing and using (room temperature).
10.3	Possibility of hazardous reactions:	No information available
10.4	Conditions to avoid:	No information available
10.5	Incompatible materials:	No information available
10.6	Hazardous decomposition products:	No information available

11.1 Informa	tion on toxicological e	effects					
Acute to	5						
Route of exposure:	Method	Species	Do	se LD ₅₀ /LC ₅₀ or ATE _{mix}	EVNOSI ILA TIL		Results
Oral:	No information available	_		information lable	-		_
Dermal:	No information available	-		information lable	-		-
Inhalation:	No information available	-	No information available		-	-	
i							
Specific	target organ toxicity	– single exp	osure (S	TOT SE):		1	
	Specifi	c effects		Target c	organ		Note
Oral:	No information a	vailable		No information a	available	-	
Dermal:	No information a	vailable		No information a	available	-	
Inhalation: No information available				No information a	available	-	
Aspirati	on hazard:	٩	No inforr	nation available.			
<u>_</u>							
Irritation	n and corrosion				1		
	Exposure	time	Speci	es Evaluatio	on Method		Note
Skin corrosion/irritatio	on:	-		-	-	-	
Serious eye damage/irritation	n -	-		-	-	-	
Sensitiz	ation						
Skin sensitizatior	n: No infor	mation avai	lable.				
		mation avai	labla				



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Product code:	HCLH-OT-X**	Date of compilation:	27 June 2019	Version:	3			

Sympto	ms rel	ated to the ph	ysical, chemica	al and toxicolog	ical characterist	ics				
Oral exposure:		Harmful if sw	allowed.							
Dermal exposure	:	Harmful if ab	sorbed throug	ıh skin. May cau	se skin irritation	•				
Inhalation expos	ure:	Harmful if inl	f inhaled. May cause respiratory tract irritation.							
Eye exposure:		May cause ey	se eye irritation.							
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chronic)						
		Dose	Exposure time	Species	Method	Evaluation	Note			
Subacute oral	No avail	information able	No information available	No information available	No information available	No information available	-			
Subacute dermal	No avail	information able	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 avail	information able	No information available	No information available	No information available	No information available	-			
Chronic oral	No avail	information able	No information available	No information available	No information available	No information available	-			
Chronic dermal	No avail	information able	No information available	No information available	No information available	No information available	-			
Chronic inhalation	No avail	information able	No information available	No information available	No information available	No information available	-			
Specific	target	t organ toxicit	y – repeated e	xposure (STOT	RE):					
			Specific effec	ts	Target o	Note				
Subacute oral		No informa	tion available		No informatior	n available -				
Subacute dermal		No informa	tion available		No information	n available -				



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ion nal ation fects (c genicit nicity <i>i</i>		Date	No in No in No in No in No in Peproductive toxicity sed on available da	27 June 2019 formation available formation available formation available formation available formation available formation available formation available				
ion nal ation fects (c genicit nicity <i>i</i>	No information avai No information avai No information avai No information avai No information avai No information avai No information avai	ilable ilable ilable ilable ilable ilable enicity; re Bas	No in No in No in No in No in No in Peproductive toxicity sed on available da	nformation available nformation available nformation available nformation available nformation available nformation available nformation available	- - - - - - - criteria are not r	net.		
nal ation on fects (c genicit nicity <i>i</i>	No information avai No information avai No information avai No information avai No information avai No information avai	ilable ilable ilable ilable ilable enicity; re Bas	No in No in No in No in No in Peproductive toxicity sed on available da	nformation available nformation available nformation available nformation available nformation available nformation available y)	- - - - - - - criteria are not r			
nal ation on fects (c genicit nicity <i>i</i>	No information avai No information avai No information avai No information avai No information avai No information avai	ilable ilable ilable ilable ilable enicity; re Bas	No in No in No in No in No in Peproductive toxicity sed on available da	nformation available nformation available nformation available nformation available nformation available nformation available y)	- - - - - - - criteria are not r			
ation on fects (c genicit nicity i	No information avai No information avai No information avai No information avai No information avai	ilable ilable ilable ilable enicity; re Ba: Ba:	No in No in No in No in Pproductive toxicity sed on available da	nformation available nformation available nformation available nformation available nformation available y)	- - - criteria are not r			
ation on fects (c genicit nicity i	No information avai No information avai No information avai No information avai	ilable ilable ilable enicity; re Ba: Ba:	No in No in No in Peproductive toxicity sed on available da	nformation available nformation available nformation available nformation available y) ata, the classification c	- - - criteria are not r			
on fects (c genicit nicity <i>i</i>	No information avai No information avai No information avai carcinogenicity; mutage	ilable ilable enicity; re Bas Bas	No in No in No in eproductive toxicity sed on available da	nformation available nformation available nformation available y) ata, the classification c	- - - criteria are not r			
fects (c genicit nicity <i>i</i>	No information avai No information avai carcinogenicity; mutage	ilable ilable enicity; re Bas Bas	Productive toxicity sed on available da	nformation available nformation available y) ata, the classification c	- - criteria are not r			
fects (c genicit nicity <i>i</i>	No information avai carcinogenicity; mutage	ilable enicity; re Ba: Ba:	No in eproductive toxicity sed on available da	nformation available y) ata, the classification o	- criteria are not r			
fects (c genicit nicity <i>i</i>	arcinogenicity; mutag	enicity; re Bas Bas	eproductive toxicity sed on available da	y) ata, the classification c	criteria are not r			
genicit nicity <i>i</i>	y:	Bas	sed on available da	ata, the classification o				
Carcinogenicity: Mutagenicity <i>in vitro</i> : Genotoxicity: Mutagenicity <i>in vivo</i> : Germ cell mutagenicity:		Bas	 Based on available data, the classification criteria are not me Based on available data, the classification criteria are not me Based on available data, the classification criteria are not me Based on available data, the classification criteria are not me Based on available data, the classification criteria are not me 					
uctive	toxicity:	Bas	Based on available data, the classification criteria are not met.					
,	evaluation of the	e CMR	CMR Based on available data, the classification criteria are met.					
l exper	riences:							
ation o	observations:		No information a	available				
bserva	tions:		No information a	available				
	:							
	ties: al expend cation of observa	5	ties: al experiences: cation observations: observations:	ties: met. al experiences: cation observations: No information a observations: No information a	ties: met. al experiences: cation observations: No information available observations: No information available	ties: met. al experiences: cation observations: No information available observations: No information available		

SECTION 12. Ecologie	SECTION 12. Ecological information											
12.1 Toxicity												
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note						
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-						
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-						



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Algae/aquatic plants	IC ₅₀	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
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 Pe	ersistence	and degradability			
A	biotic deg	radation			
		Degradation half-lives	Method	Evaluation	Note
Marine wa	ter No	information available	No information available	No information available	-
Fresh wate	er 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	-
Bi	iodegrada	tion			
% Degra	adation	Time (days)	Method	Evaluation	Note
No informa available	ation	No information available	No information available	No information available	No information available

12.3	Bioaccu	Bioaccumulative potential										
12.5		Octanol-water partition coefficient (log Kow)										
Valu	e	Concentration	рН	°C	Method	Evaluation	Note					
-	-		-	-	-	-	-					



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Trading	g name	2:			HCL P	REAGE	NT, HE	MOGN	IOST P	PERLS		90 12 01 20	
Produc	ct code:	: H(CLH-OT-X**		Date	of co	mpilatio	on:	27 Jun	e 2019	١	/ersion:	3
	1	ncentrat	ion factor (BCF)			4 - 4		г.				Nete	
	/alue ormation	n No	Species o inform	ation		/ethoc		Evaluatior No informatior				Note	
availabl			ailable	nation No inform available)[]	availab		7 1	-		
	Chroni	ic ecoto	xicity										
	Value Dose		Dose	-	Exposure time		ecies	Method		Evalua	ation	Note	
				No		No		No		No			
Chronic	Chronic toxicity on fish		LC ₅₀	infor availa	mation	inforr availa	nation	inform availab	1	informa availab		-	
			No		No	ibic	No		No				
Chronic toxicity on crustacea (<i>Daphnia</i>) EC ₅₀		EC ₅₀	infor	mation	inforr	nation	inform		informa		-		
	crustacea (Daphnia)			availa	able	availa	ble	availab	ole	availab	le		
10.4	N 4 - I- :I:												
12.4		ity in soi	u dicted distributi	on in c	nvironm	ontal	omport	monte					
		•	n available	Un in e			ompart	ments.					
		e tensio											
		lue	°C	C	oncentra	ncentration Method					Note		
	No		No										
	inform		information		informa ailable	tion	No inf availat	ormatio ole	n	-			
	availat	ble	available										
	Adsor	ntion / c	desorption										
	7.0301	-	coefficient										
Transpo	ort		i's constant	lo	og Kow	E١	aporati	on rate	Ν	/lethod		Note	
Soil-wa	nter 👘	lo Ivailable	information	No ir availa	nformatio able		o inform ailable	ation	No in availa	formatic ble	on	-	
Water-a	air N	No Ivailable	information		nformatio	on No	o inform ailable	ation		formatio	on	_	



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Trodies						Page 13 of 1	0			
	g name:			AGENT, HEMOG		., ·				
Produc	t code:	HCLH-OT-X**	Date of	compilation:	27 June 2019	Version:	3			
Soil-air	No avail	information able	No information available	No information available	No information available	-				
10 5	Desults of									
12.5		PBT and vPvB asses	ssment							
	Not applic	cable.								
12.6	Other adv	erse effects								
12.0		r relevant information	on available							
SECTIO	N 13. Disp	osal consideration	S							
13.1	Waste treatment methods									
	1									
13.1.1.	Product	/Packaging disposa	l:							
		Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature								
	Protecti	on.								
13.1.2.	Masta c	odos (wasta dosigna	tions according to							
13.1.2.		odes/waste designa			ces or is contaminate	d with bazarde				
	substan						Jus			
	I									
13.1.3.	Waste ti	reatment – relevant	information:							
	No infor	rmation available								
13.1.4.	Sewage	disposal – relevant	information:							
	Waste n	nust not be dispose	d of into the sewa	ge system.						
13.1.5.		isposal recommend								
	authoriz	• •	n charge. Do not	dispose of the pac	m. Submit the remain kaging into the sewang harge.					
13.1.6.	· ·	t Community provis								
		I must be made acc		egulations.						
	i									
SECTIO	N 14 TRAN	ISPORT INFORMA	TION							
	Transport	ing/shipment by ro	ad (ADR)							
UN nun	nber:		Not subject t	Not subject to transport regulations						
UN pro	per shippin	g name:	-							



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Trading name:		HCL REAGENT, HEMO	GNOST PERLS		
Product code:	HCLH-OT-X**	Date of compilation:	27 June 2019	Version:	3
	1		1	:	:
Transport hazard cl	lass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	s for user:	-			
Transporti	ng/shipment by rail (RI	D)			
UN number:		Not subject to transport regul	ations		
UN proper shipping name:		-			
Transport hazard cl	lass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	s for user:	-			
Inland wat	terway transport (ADN)				
UN number:		Not subject to transport regul	ations		
UN proper shipping name:		-			
Transport hazard class(es):		-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	s for user:	-			
Transporti	ng/shipment by sea (IN	1DG)			
UN number:		Not subject to transport regul	ations		
UN proper shipping	g name:	-			
Transport hazard cl	lass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	s for user:	-			
Transport in bulk a of MARPOL 73/78 a	according to Annex II and the IBC code:	-			
Transporti	ng/shipment by air (IC/	AO-TI/IATA-DGR)			
UN number:		Not subject to transport regul	ations		
UN proper shipping	g name:	-			
Transport hazard cl	lass(es):	-			
Packing group:		-			
Environmentally ha	zardous:	-			
Special precautions	s for user:	-			
Further informatior): -				



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Trading name:	HCL REAGENT, HEMOGNOST PERLS				
Product code:	HCLH-OT-X**	Date of compilation:	27 June 2019	Version:	3

SECTI	ON 15. Regulatory informa	ation		
15.1	Safety, health and enviror	Safety, health and environmental regulations/legislation specific for the substance or mixture		
	EU regulations			
	Authorization and/or rest	rictions of use		
	Authorizations:	-		
	Restrictions:	-		
	Other EU regulations:	 EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council; Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH); EC Regulation No. 2037/200 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer; EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals; 		
		EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants; Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives		
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-		
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act		
15.2	Chemical safety assessme	ent		
	None			

SECTIC	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%	
		тсој	Specific target organ toxicity - single exposure	
16.3.	Key literature references and source of data:	-		



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Trading name:	HCL REAGENT, HEMOGNOST PERLS				
Product code:	HCLH-OT-X**	Date of compilation:	27 June 2019	Version:	3

16.4.		Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	catior]	Classification procedure			
-			-			
16.5.	Rele	evant H statements (num	ber and full text)			
	H:	H314	Causes severe skin burns and eye damage.			
		H331	Toxic if inhaled.			
16.6.	Trai	ning advice:	-			
			** "X" in the product code marks different volumes (different packagings of the product)			
16.7.	16.7. Further information:		We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

ANNEX: Exposure scenario resulting to chemical safety assessment

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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION				
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking	
1.1	Product identifier				
	Trading name:	POTASSIUN	1 HEXACY	ANOFERRATE, SOLUTION	
	Chemical name:	-			
	Catalogue number:	KHC-OT-X*	*		
1.2	Relevant identified use	s of the subs	tance or n	nixture and uses advised against	
	Uses:		For use	with HemoGnost Perls kit.	
	Uses advised against:		Only the	identified uses are advised.	
Reason why uses advised against: medical device, registered		duct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection an	d Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification			
2.1	Classification of the substance of	or mixture		
2.1.1	Classification according to Regu	ulation (EC) No 12	?72/2008 (CLP)	
	Hazard class and catego	ory code:	Hazard statements*:	
	Not identified as hazardous sub	ostance.	-	
2.1.2.	Additional information			
	-			
*For ful	I text of Hazard- and EU Hazard-	statements: see S	ECTION 16	
2.2	Label elements			
	Product identification:	POTASSIUM HE	XACYANOFERRATE, SOLUTION	
	Identification number:	-		
	Authorization number:	-		
	Hazard pictograms:	-		



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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION				
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3

	Signal word:	-
	Hazard statements:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	_	

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

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

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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION					
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3	

4.3 Indication of any immediate medical attention and special treatment needed _

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	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. 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 case of inadequate ventilation use adequate airways protective equipment (see Section 8).					
6.2	Environmental precautions:					
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.					
6.3	Methods and material for containment and cleaning up					
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.				
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.				



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Trading name:	PO	TASSIUM HEXACYANOFE	RRATE, SOLUTION	l	
Product code: KH	IC-OT-X**	Date of compilation:	04 July 2019	Version:	3

6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).
6.4	Reference to other sections	
	See Section 7 for information	on safe handling.
	See Section 8 for information	on personal protection equipment.
	See Section 13 for disposal in	formation.

SECTIO	ON 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.		
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Th	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	npatibilities			
	Technical measures and storage conditions:	well ventil	htly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.		
	Packaging materials:	Manufactu	turer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away tightly clos	r from food and drink. Keep the containers sed.		
	Advices for storage equipment:	must be re	e must be made of hard material; floors esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper		
	Further information on storage conditions:	and do no	ice the unused material in the storage room t use empty containers for storing other Do not store with incompatible materials on 10).		
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

SECTION 8. Exposure controls/personal protection



									Page 5 of 1	.6
Trading name:			POTASS	SIUM H	HEXACY	ANOFE	RRATI	E, SOLUTI	ON	
Product code:	КНС-ОТ	-X**	C	Date of	compila	ation:	04 Ju	ıly 2019	Version:	3
8.1 Control p	arameters	1		1						
Substance	9	CA	S No		pational Jes/short	term va	lues	Biol	ogical limit value	S
				р	pm	mg,	/m³			
-			-		-	-	-	-		
Substance name:	-	T				1				
EC No:	-	CAS No): –							
DNEL										
	-		•	Indu	ustrial					
Route of	Αςι	ute	Acu	te		Chro	nic		Chronic	
exposure:	effect	local	effect sys	stemic		effect l	ocal		effect systemic	
Oral	-		-		-			-		
Inhalation	-		-		-			-		
Dermal	-		-		-			-		
Critical physical pa	rameters: s	solubility,	flammabili	ty, corro	osivity:	-				
			1	Con	sumer					
Route of		cute	Acu			Chro	-		Chronic	
exposure:	effec	t local	effect sy	stemic		effect l	ocal		effect systemic	
Oral	-		-		-			-		
Inhalation	-		-		-			-		
Dermal	-		-		-			-		
PNEC										
Environmental pro	tection targ	get			PNEC					
Fresh water					no inforn					
Freshwater sedime	ents				no inforn					
Marine water				1	no inforn	nation a	vailable			
Marine sediments				ı	no inforn	nation a	vailable			
Food chain				ı	no inforn	nation a	vailable			
Microorganisms in	sewage tr	eatment		r	no inforn	nation a	vailable			
Soil (agricultural)				ı	no inforn	nation a	vailable			
Air				r	no inforn	nation a	vailable			
8.2 Expos	ure contro	ls								
8.2.1. Appro	priate eng	ineering	controls							



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Trading name:	I	POTASSIUM HEXACYANOFI	ERRATE, SOLUTIC	N	
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3

	Technical measures to prevent exposure:	See Se	ection 6		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the lace.		
	Structural measures to prevent exposure:	Use m	odern equipment.		
	Substance/mixture related measures to prevent exposure:	See Se	ection 6		
8.2.3.	Environmental exposure controls				
8.2.2.4.	Thermal hazards:	No info	ormation available		
8.2.2.3.	Respiratory protection:	with a	tive full face mask (EN 136) or half mask (EN 140) equipped filter for organic vapors, type "A" (boiling point >65°C) ng to EN 14387) used when concentration levels exceed GVI.		
	Other skin protection:	footwe entire imperr	everyday work use cotton clothing (EN 340) and suitable ear, such as rubber boots (EN 20345) or shoes that cover the foot. In case of spilling hazard, use clothing made of meable material suitable for protection from liquid chemicals PVC, himex) and footwear made from the same material.		
	Hand protection:		otective gloves have to satisfy the specification of ation (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min		
8.2.2.2.	Skin protection				
8.2.2.1.	Eye and face protection:	levels of	glasses that stick to face (EN 166) or visor in case of lower of concentration in air; protective gas mask that covers the face in case of higher levels of concentration in air.		
8.2.2.	Personal protection equipment				
	Technical measures to prevent ex	kposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.		
	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Substance/mixture related measu prevent exposure during identifie		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		

SECTIO	N 9. Physical and chemical properties
9.1	Information on basic physical and chemical properties



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Trading name:	ΡΟΤΑ	SSIUM HEXACYANOFE	RRATE, SOLUTION	l	
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3

	Value	Method
Physical state:	liquid	No information available
Colour:	colourless	No information available
Odour:	No information available	No information available
Odor threshold:	No information available	No information available
pH:	No information available	No information available
Melting point / freezing point;	No information available	No information available
Initial boiling point and boiling range:	No information available	No information available
Flash point:	No information available	No information available
Evaporation rate:	No information available	No information available
Flammability (solid, gas):	No information available	No information available
Upper/lower flammability or explosive limits:	No information available	No information available
Vapour pressure:	No information available	No information available
Vapour density:	No information available	No information available
Relative density:	No information available	No information available
Bulk density:	No information available	No information available
Solubility(ies):	No information available	No information available
Partition coefficient: n- octanol/water (log Kow):	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
Viscosity:	No information available	No information available
Explosive properties:	No information available	No information available
Oxidising properties:	No information available	No information available

SECTIC	ON 10. Stability and reactivity	
10.1	Reactivity:	See subsections 10.3 through 10.5.
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).
10.3	Possibility of hazardous reactions:	No 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



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Trading name:	I	POTASSIUM HEXACYANOF	ERRATE, SOLUTIO	N	
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3

11.1 Information	n on toxicological e	effects					
Acute toxic	ity:						
Route of exposure:	Method	Species	Do	se LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure t	ime	Results
Oral:	No information available	-	_	information lable	-		-
Dermal:	No information available	-		information lable	-		-
Inhalation:	No information available	-	_	information lable	-		-
Specific tar	get organ toxicity -	- single expo	sure (S	TOT SE):			
	Specific	effects		Target	organ		Note
Oral:	No information av	vailable		No information	available	-	
Dermal:	No information av	vailable		No information	available	-	
Inhalation:	No information av	/ailable		No information	available	-	
Irritation ar	d corrosion Exposure t	ime	Speci	ies Evaluat	ion Method	1	N
	Exposure i	inne		LVuluut		-	Note
Skin corrosion/irritation:	-	-	-1	-	-	-	Note
	•						Note
corrosion/irritation: Serious eye	-	-		-	-	-	Note
corrosion/irritation: Serious eye damage/irritation Sensitizatio	- -	-	•	-	-	-	Note
corrosion/irritation: Serious eye damage/irritation	n No infor	-	ible.	-	-	-	Note
corrosion/irritation: Serious eye damage/irritation Sensitization Skin sensitization:	n No infor	- - mation availa	ible.	-	-	-	Note
corrosion/irritation: Serious eye damage/irritation Sensitization Skin sensitization: Respiratory sensitiza	n No infor	- - mation availa mation availa	ble.	-	-	-	Note
corrosion/irritation: Serious eye damage/irritation Sensitization Skin sensitization: Respiratory sensitiza Symptoms	n No infor tion: No infor	- mation availa mation availa sical, chemica	ble.	-	-	-	Note
corrosion/irritation: Serious eye damage/irritation Sensitization Skin sensitization: Respiratory sensitiza Symptoms	n No infor tion: No infor related to the phys Harmful if swal	mation availa mation availa mation availa sical, chemica lowed.	ble. ble. I and t	-	- -	-	Note
corrosion/irritation: Serious eye damage/irritation Sensitization Skin sensitization: Respiratory sensitiza Symptoms Oral exposure:	n No infor tion: No infor related to the phys Harmful if swal Harmful if abso	mation availa mation availa mation availa sical, chemica lowed. orbed through	ble. ble. I and to n skin.	- - oxicological chara	acteristics	-	Note



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

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Version:

Trading name:	
Product code:	KHC-OT-X**

POTASSIUM HEXACYANOFERRATE, SOLUTION

Date of compilation:

04 July 2019

3

	ed dose toxicity (sub	Exposure		Mathad	Evoluation	a Nota
	Dose	time	Species	Method	Evaluatio	n Note
Subacute oral	No information available	No information available	No information available	No information available	No informatio available	on -
Subacute dermal	No information available	No information available	No information available	No information available	No informatio available	on -
Subacute inhalation	No information available	No information available	No information available	No information available	No informatio available	on -
Subchronic oral	No information available	No information available	No information available	No information available	No informatio available	on -
Subchronic dermal	No information available	No information available	No information available	No information available	No informatio available	on -
Subchronic inhalation	No information available	No information available	No information available	No information available	No informatio available	on -
Chronic oral	No information available	No information available	No information available	No information available	No informatio available	on -
Chronic dermal	No information available	No information available	No information available	No information available	No informatio available	on -
Chronic inhalation	No information available	No information available	No information available	No information available	No informatio available	on -
Ĩ						
Specific	target organ toxici	y – repeated e	xposure (STOT	RE):		-
		Specific effect	cts	Target o	rgan	Note
Subacute oral	No informa	ation available		No information	n available	-
Subacute dermal	No informa	ation available		No information	n available	-
Subacute inhalat	ion No informa	ation available		No information	n available	-
Subchronic oral	No inform	ation available		No information available		-
Subchronic derm	nal No informa	ation available		No information	n available	-
Subchronic inhal	ation No informa	ation available		No information	n available	-
Chronic oral	No informa	ation available		No information	n available	-
Chronic dermal	No informa	ation available		No information	n available	-



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Trading name:	PC	DTASSIUM HEXACYANOFI	ERRATE, SOLUTIO	N	
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3

Chron	ic inhalation	No information available	No information available -				
	CMR effects	(carcinogenicity; mutagenicity	reproductive toxicity)				
	Carcinogenic	city:	Based on available data, the classification criteria are not met.				
	Mutagenicity	ı in vitro:	Based on available data, the classification criteria are not met.				
	Genotoxicity	:	Based on available data, the classification criteria are not met.				
	Mutagenicity in vivo:		Based on available data, the classification criteria are not met.				
	Germ cell mu	utagenicity:	Based on available data, the classification criteria are not met.				
	Reproductive	e toxicity:	Based on available data, the classification criteria are not met.				
	Summary c properties:	of evaluation of the CM	R Based on available data, the classification criteria are not met.				
11.2	Practical exp	eriences:					
	Classification	observations:	No information available				
	Other observations:		No information available				
11.3	General note	25:					
	-						

SECTION 12. Ecologie	al informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-



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Trading	name:			POT	ASSI	UM HEXACY	ANO	FERRATE,	SOLUTION		
Product code: KHC-OT-X**		Da	Date of compilation: 04 July 2			/ 2019	Version:	3			
Crustacea	а:		EC ₅₀	48 hours		lo information vailable		ormation ilable	No informatior available	ן -	
Algae/aq	uatic pla	nts	IC ₅₀	72 hours		lo information vailable		ormation ilable	No informatior available	ı -	
Other or	ganisms		-	-	-		-		-	-	
12.2	Persister	nce ar	nd degradal	oility							
	Abiotic c		-								
		-	gradation h	alf-lives		Method		Evaluatior	1	Note	
Marine w	vater		oformation a			nformation lable	-	informatior ilable			
Fresh wa	ter	No in	nformation a	available		nformation lable		information ilable	-		
Air		No in	nformation a	available		nformation lable	No information available		-	-	
Soil		No in	nformation a	available		nformation lable	No information available		-	-	
	D : 1	1									
	Biodegra							Evaluation		Nete	
No inforr available	radation nation		Time (No in available	formation		No information No in		No information No		Note information lable	
12.3	Bioaccur	nulat	ive potentia	.I	1						
			r partition c		loa Ka	ow)					
Value			ntration	pH	°C	Method		Evalua	ition	Note	
_	-				-	-		-	-		
	Bioconce	entrat	tion factor (BCF)							
Va	lue		Speci	es		Method		Evaluation		Note	
No inforr available	mation	N av	o in [.] vailable	formation		No information N		No information - available			



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BI	00	SNO	ST [®]	According t	o Reg	ulatior	n (EC) N	lo. 1907		Page 12 of 16	
Tradin	ig nar	ne:		POTASSIU	м не	KACYA	NOFER	RATE, S	OLUTION	1	
Product code: KHC-OT-X**			HC-OT-X**	Date of compilation: 04 July 2019					2019	Version:	
							1				
	Char										
	Chro	onic ecoto	DXICITY	Evpocuro							
	Va	lue	Dose	Exposure time	Sp	ecies	Metł	nod	Evaluatio	n Note	
				No	No		No		lo		
Chroni	c toxic	ity on fish	n LC ₅₀	information available	infor avail	mation able	inform availab		nformatior vailable	า -	
Chroni	e tovie			No	No		No	٩	lo		
Chroni crustac		aphnia)	EC ₅₀	information		mation	inform		nformatior	n -	
				available	avail	able	availab	ie a	vailable		
12.4	Mol	oility in so	il								
			dicted distributi	on in environm	nental	compart	ments:				
		-	on available								
	Surf	ace tensio	on:								
		Value	°C	Concentration N			Metho	od		Note	
		rmation	No information	No information No inf available availab		formation -		-			
	avai	lable	available								
	Ads	orption /	desorption								
Transp	ort	A/D	coefficient	log Kow	F	vaporati	on rate	Me	ethod	Note	
папэр	on		y's constant	.		•				Note	
Soil-wa	ater	No available	information e	No informati available		o inform /ailable	nation	No info availabl	rmation e	-	
Water-	air	No available	information e	No informati available	-	o inform /ailable	nation	No info availabl	rmation e	-	
Soil-air	r	No available	information	No informati available		o inform /ailable	nation	No info availabl	rmation e	-	
12.5			F and vPvB asses	ssment							
	Not	applicabl	e.								
12.6	Oth	er adverse	offocto								
12.0			evant informatio	on available							
	110										



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BIC	DGN	OST [®]	According to Regulation (EC) No. 1907/2006	Page 13 of 16	
Trading	name:		POTASSIUM HEXACYANOF	ERRATE, SOLUTIO		
Product		KHC-OT-X**	Date of compilation:	04 July 2019	Version: 3	
			I			
SECTIO	N 13. Disp	osal consideratio	ıs			
13.1	Waste t	reatment methods				
13.1.1.	Product	/Packaging dispos	al:			
	Submit Protecti	•	legal person authorized by the Min	istry of Environment	al and Nature	
13.1.2.	Waste o	odes/waste design	ations according to Law:			
	15 01 1 substan	00	contains residual hazardous substar	nces or is contamina	ted with hazardous	
13.1.3.	Waste t	reatment – relevan	t information:			
	No info	rmation available				
13.1.4.	Sewage	disposal – relevant	t information:			
		•	ed of into the sewage system.			
	1	·				
13.1.5.	Other d	isposal recommend	dations:			
	authoriz	zed by the ministry	duct's remains into the sewage syste in charge. Do not dispose of the pa ctors authorized by the ministry in c	ckaging into the se		
13.1.6.	Relevan	t Community provi	sions:			
	Disposa	I must be made ac	cording to official regulations.			
SECTIO	N 14 TRAI	NSPORT INFORM	TION			
	Transport	ing/shipment by ro	ad (ADR)			
UN num	ıber:		Not subject to transport regu	lations		
UN prop	per shippin	g name:	-			
Transpo	rt hazard o	lass(es):	-			
Packing	group:		-			
Environmentally hazardous: -						
Special p	Special precautions for user: -					
	Transport	ing/shipment by ra	il (RID)			
UN number: Not subject to transport regulations						
UN prop	per shippin	g name:	-			
Transpo	rt hazard o	lass(es):	-			
Packing	group:		-			



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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION							
Product code: KHC-OT-X**		Date of compilation:	04 July 2019	Version:	3			
Environmentally hazardous:	-							
Special precautions for user:	-							
Inland waterway transport (ADN	1)							
UN number:	No	t subject to transport regul	ations					
UN proper shipping name:	-							
Transport hazard class(es):	-							
Packing group:	-							
Environmentally hazardous:	-							
Special precautions for user:	-							
Transporting/shipment by sea ([MDG)						
UN number:	No	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 (I	CAO-	TI/IATA-DGR)						
UN number:	No	t subject to transport regul	ations					
UN proper shipping name:	-							
Transport hazard class(es):	-							
Packing group:	-							
Environmentally hazardous:	-							
Special precautions for user:	-							
Further information: -								

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



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Tradir	ng name:		POTASSIUM HEXACYANOF	ERRATE, SOLUTIO	ON		
Produ	ict code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3	
Other EU regulations:		regulations:	EC Regulation No. 1906/2007 and European Parliament and the European Parliament (REACH); EC Regulation No. 2037/200 of the 29 June 2000 on substances that of EC Regulation No. 689/2008 of the 17 June 2008 concerning the exposence of the European Parli 2004 about persistent or go Directive 2008/98/EC of the Europe November 2008 on waste and repeated on the parling and	pean Council; the European Parlia ion and restriction amage the ozone l e European Parliamo ort and import of da e European Parliamo anic pollutants; ean Parliament and	ament and Counc of chemical subst ent and Council f ayer; ent and Council f ingerous chemica ent and Council f I Council of 19	il on ances rom rom ıls;	
	Informati guideline	0	9/13/EC about limitation of emissions	s of volatile organic	compounds (VO	C-	
National legislation:		legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act				
15.2	Chemical	safety assessmen	t				
	None						

SECTIO	SECTION 16. Other information					
16.1	Indication of changes:	-				
		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%			
		ТСОЈ	Specific target organ toxicity - single exposure			
16.3.	Key literature references and					
10.5.	source of data:	_				
16.4.	Classification and procedure us 1272/2008 (CLP)	sed to derive the	classification for mixture according to Regulation (EC)			
Classific	cation C	Classification pro	cedure			
-	-					
16.5.	Relevant H statements (numbe	r and full text)				
	H:					
16.6.	Training advice:					



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

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Trading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION				
Product code:	KHC-OT-X**	Date of compilation:	04 July 2019	Version:	3
	*	* "X" in the product code marks of	different volumes (d	ifferent packagi	ngs 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