

PERLS-VAN GIESON KIT

VERSION 2

The kit contains:

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



Page 1 of 16

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

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

SECTIO	CTION 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to F	Regulation (EC) No 1	272/2008 (CLP)		
	Hazard class and ca	tegory code:	Hazard statements*:		
	Not identified as hazardous substance				
2.1.2.	Additional information				
	-				
*For fu	ıll text of Hazard- and EU Haza	ard-statements: see S	SECTION 16		
2.2	Label elements				
	Product identification:	FUCHSIN ACID	VAN GIESON REAGENT		
	Identification number:	-			
	Authorization number:	-			
	Hazard pictograms:	-			



Page 2 of 16

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

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

SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
88-89-1/ 201-865-9/ 609-009-00-X	_	< 2 %	picric acid	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331	

	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



Page 3 of 16

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

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

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

SECTIO	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 contain	inment and cleaning up			



Page 4 of 16

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

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.				
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	See Section 8 for information on personal protection equipment.				
	See Section 13 for disposal in	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	n:	Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	well ventil	phtly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.		
	Packaging materials:	Manufactu	ırer's original packaging.		
	Requirements for storage rooms and vessels: Keep away from food and drink. Keep tightly closed.				
	Advices for storage equipment:	must be re	e must be made of hard material; floors esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper .		



Page 5 of 16

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

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

SECTION 8. Expos	ure contr	ols/perso	nal pro	tection			
8.1 Control pa	arameters						
				•	exposure limit		
Substance		CA	S No	val	lues/short	term values	Biological limit values
				1	ppm	mg/m³	
-	-		-		-	-	-
Substance name:	-	_				1	
EC No:	-	CAS No	•	_			
DNEL							
				Ind	lustrial		
Route of	Acı	ıte	A	Acute		Chronic	Chronic
exposure:	effect	local	effect	t systemic	:	effect local	effect systemic
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
Critical physical par	rameters: s	solubility,	flamma	bility, cor	rosivity:	-	
				Cor	nsumer		
Route of	Ad	cute	ļ A	Acute		Chronic	Chronic
exposure:	effec	t local	effect	t systemic		effect local	effect systemic
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
PNEC							
Environmental prot	tection tar	get			PNEC		
Fresh water					no inform	nation available	
Freshwater sedime	nts				no information available		
Marine water	Marine water				no information available		
Marine sediments					no information available		



Food chain

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

Page 6 of 16

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

no information available

Microorga	anisms in sewage treatment		no information available		
Soil (agric	cultural)		no information available		
Air			no information available		
	į				
8.2	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measure prevent exposure during identified		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Organisational measures to preve exposure:	nt	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				
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection	<u> </u>			
	- I		otective gloves have to satisfy the specification of tion (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 impern	ng everyday work use cotton clothing (EN 340) and suitable wear, such as rubber boots (EN 20345) or shoes that cover the re foot. In case of spilling hazard, use clothing made of ermeable material suitable for protection from liquid chemicals on, PVC, himex) and footwear made from the same material.		
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed 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		



Page 7 of 16

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

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

Information on basic phy	rsical and chemical properties	
	Value	Method
Physical state:	liquid	No information available
Colour:	red	No information available
Odour/odour threshold:	no information available/information available	No information available
Melting point / freezing p	point: No information available	No information available
Boiling point or initial bo point and boiling range:	iling No information available	No information available
Flammability:	No information available	No information available
Lower and upper explosi	on limit: No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperatur	re: No information available	No information available
Decomposition temperat	cure: No information available	No information available
рН:	No information available	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient noctanol/water (log value)	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative de	ensity: No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available
Other information		

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



Page 8 of 16

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

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 hazard classes	as defined in	n Regulation	(EC) No 1272/	2008		
Acute to	oxicity:						
Route of exposure:	Method	Species	ies Dose LD ₅₀ /LC ₅₀ or ATE _{mix}		Exposure time		Results
Oral:	No information available	-	No information available		-		-
Dermal:	No information available	-	No inforr available	nation	-		-
Inhalation:	No information available	_	No information - available		-		-
Specific	target organ toxicity		sure (STOT S				
	Specific	effects		Target organ			Note
Oral:	No information a	vailable	No i	No information available -			
Dermal:	No information a	vailable	No i	lo information available -			
Inhalation:	No information a	vailable	No i	No information available -			
Aspiration	on hazard:	No	o informatio	n available.			
Irritation	n and corrosion						
	Exposure ⁻	time	Species	Evaluation	Method		Note
Skin corrosion/irritation	on:	-		-	-	-	
Serious eye damage/irritation		-		_	-	-	
Sensitiza	ation						
Skin sensitization	n: No infor	mation availa	able.				
Respiratory sensitization: No information available.							



Page 9 of 16

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

Oral exposure: Harmful if swallowed.								
Dermal exposure	e: Harmful i	Harmful if absorbed through skin. May cause skin irritation.						
Inhalation expos	ure: Harmful i	Harmful if inhaled. May cause respiratory tract irritation.						
Eye exposure:	May caus	e eye irritation.						
Repeate	ed dose toxicity (subacute, subchro	onic, chronic)					
	Dose	Exposure time	Species	Method	Evaluation	Note		
Subacute oral	No informati available	on No information available	No information available	No information available	No information available	-		
Subacute dermal	No informati available	on No information available	No information available	No information available	No information available	-		
Subacute inhalation	No informati available	on No information available	No information available	No information available	No information available	-		
Subchronic oral	No informati available	on No information available	No information available	No information available	No information available	-		
Subchronic dermal	No informati available	on No information available	No information available	No information available	No information available	_		
Subchronic inhalation	No informati available	on No information available	No information available	No information available	No information available	-		
Chronic oral	No informati available	on No information available	No information available	No information available	No information available	-		
Chronic dermal	No informati available	on No information available	No information available	No information available	No information available	-		
Chronic inhalation	No informati available	on No information available	No information available	No information available	No information available	-		



Page 10 of 16

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

Subacute oral	No information available	2		No information available	-		
Subacute dermal	No information available	2		No information available	-		
Subacute inhalation	halation No information available		No information available		-		
Subchronic oral	No information available	9		No information available	-		
Subchronic dermal	No information available	9		No information available	-		
Subchronic inhalatio	n No information available	Э		No information available	-		
Chronic oral	No information available	9		No information available	-		
Chronic dermal	No information available	e		No information available	-		
Chronic inhalation	No information available	9		No information available	-		
CMR effects	(carcinogenicity; mutagenici	ty; re	eproductive t	toxicity)			
Carcinogen	icity:	Ba	sed on availa	able data, the classification o	riteria are not met.		
Mutagenici	Mutagenicity in vitro:		Based on available data, the classification criteria are not met.				
Genotoxicit	Genotoxicity:		Based on available data, the classification criteria are not met.				
Mutagenici	Mutagenicity in vivo:		Based on available data, the classification criteria are not met.				
Germ cell m	nutagenicity:	Ba	Based on available data, the classification criteria are not met.				
Reproductiv	e toxicity:	Ba	Based on available data, the classification criteria are not met.				
Summary	of evaluation of the C	MR	Based on	available data, the classific	ation criteria are not		
properties:			met.				
11.2 Information	on other hazards:						
11.2.1. Endocrine of	lisrupting properties:						
component	nce/mixture does not con s considered to have endoc	rine					
	disrupting properties according to REA Article 57(f) or Commission Delega						
	regulation (EU) 2017/2100 or Commiss						
Regulation higher.	Regulation (EU) 2018/605 at levels of 0.1% higher.						
11.2.2. Other inform	mation:						

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



Page 11 of 16

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

Product code:	F	AG-OT-X**		Date of compila	tion: 21 D	ec 2022	Version:
		1	-	1	1	1	
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 p	lants	IC ₅₀	4 days	No information available	No information available	No information available	-
Other organism	S	-	-	-	-	-	-
Chronic (long-te	erm)	Dose	Exposure time	e Species	Method	Evaluation	n 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 p	lants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organism	S	-	-	-	-	-	-
12.2 Persiste	ence a	nd degradal	oility				
Abiotic	degra	dation					
	De	gradation h	alf-lives	Method	Evaluation	on	Note
Manina		· (4 ·	!! - ! - ! -	No information	No information	on	

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

_					
R	$i \cap A$	ea	rad	1	inn
D	IOU	cu	ıau	аи	UI

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



Trading name:

SAFETY DATA SHEET

FUCHSIN ACID VAN GIESON REAGENT

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

Page 12 of 16

Produ	ct code:	FAG-	OT-X**		Date	of co	mpilati	on:	21 De	c 2022	,	Version:	6
12.3	Bioaccum	ulative p	ootential										
	Octanol-w	ater pa	rtition coef	ficient ((log Kow))					2		
Valu	ie Co	ncentra	tion	ρΗ	°C	Me	ethod		Evalua	ation		Note	
_	-		-		-	-		-			-		
	Bioconcer	tration	factor (BCF	······································									
V	/alue		Species		N	√ethoc	l		Evaluation	on		Note	
	ormation	No		nation	No info		n	No information		on	-		
availab	ie	availal	Die		availab	ie		availa	abie				
		1			i			<u> </u>			i		
	Chronic ed	otoxicit	ty	·		:				î		:	
	Value		Dose		Exposure Spe		ecies	Мє	ethod	Evalu	ation	Note	!
Chronic	toxicity on	fish	LC ₅₀	No information		No inforr	nation	No infor	mation	No inform	ation	_	
	 		- 30	avail		availa		availa		availab			
Chronic	toxicity on		EC ₅₀	No information		No	mation	No infor	mation	No inform	ation	_	
crustac	ea (<i>Daphnia</i>	')	LC50		able	availa			able	availab		_	
12.4	Mobility in												
	· •	······	ed distribu	tion in e	environm	ental c	compart	ments	•				
	No inform		vailable										
	Surface te Value	nsion:	°C		oncentra	tion		Met	hod			Note	
	No	No										Note	
	informatic available	n inf	formation railable		informa ailable	nation No infor available		ormation -		-			



Page 13 of 16

Trading name:		UCHSIN ACID VAN GIE	SON REAGENT		
Product code:	FAG-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

	Adsorption / desorption							
Transpor	t A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note			
Soil-wate	No information available	No information available	No information available	No information available	-			
Water-air	r No information available	No information available	No information available	No information available	-			
Soil-air	No information available	No information available	No information available	No information available	-			
12.5	Results of PBT and vPvB asses							
	The substance/mixture does r according to REACH Article 5 ⁻ Regulation (EU) 2018/605 at I	7(f) or Commission	n Delegated regulat					
12.6.	Endocrine disrupting properties							
·	The substance/mixture does r according to REACH Article 5 Regulation (EU) 2018/605 at l	7(f) or Commission	n Delegated regulat					
12.7	Other adverse effects							
	No further relevant information	on available.						
SECTION	I 13. Disposal consideration	s						
13.1	Waste treatment methods							
13.1.1.	Product/Packaging disposa	<u>:</u>						
	Submit for disposal to the le Protection.	egal person autho	rized by the Ministr	y of Environmental	and Nature			
13.1.2.	Waste codes/waste designa	tions according to	Law:					
	15 01 10*: Packaging that consubstances			s or is contaminated	d with hazardous			
13.1.3.	Waste treatment – relevant	information:						
	No information available							
13.1.4.	Sewage disposal – relevant	information:						
	-							



Page 14 of 16

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

Waste must not be disposed	of into the sewage system.				
,					
Other disposal recommendate	tions:				
authorized by the ministry in	ct's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit ors authorized by the ministry in charge.				
Relevant Community provision	ons:				
Disposal must be made acco	rding to official regulations.				
I 14 TRANSPORT INFORMAT	ION				
Transporting/shipment by roac	d (ADR)				
oer:	Not subject to transport regulations				
er shipping name:	-				
t hazard class(es):	-				
group:	-				
entally hazardous:	-				
recautions for user:	-				
Transporting/shipment by rail (RID)					
oer:	Not subject to transport regulations				
er shipping name:	-				
t hazard class(es):	_				
group:	_				
entally hazardous:	-				
recautions for user:	-				
Inland waterway transport (AD	N)				
per:	Not subject to transport regulations				
er shipping name:	-				
t hazard class(es):	-				
group:	-				
nentally hazardous:	-				
recautions for user:	-				
Transporting/shipment by sea	(IMDG)				
per:	Not subject to transport regulations				
er shipping name:	-				
t hazard class(es):	-				
group:	-				
	Other disposal recommendary Do not dispose of the product authorized by the ministry in the packaging to the collector Relevant Community provision Disposal must be made accordant Transporting/shipment by road per: er shipping name: thazard class(es): group: hentally hazardous: recautions for user: Transporting/shipment by rail oper: er shipping name: thazard class(es): group: hentally hazardous: recautions for user: Inland waterway transport (AD per: er shipping name: thazard class(es): group: hentally hazardous: recautions for user: Inland waterway transport (AD per: er shipping name: thazard class(es): group: hentally hazardous: recautions for user:				



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

amended by Regulation (EU) No. 2020/878

Page 15 of 16

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

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 (ICAO-TI/IATA-DGR)				
UN number:	Not subject to transport regulations			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Further information: -				

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



SAFETY DATA SHEET

amended by Regulation (EU) No. 2020/878

Page 16 of 16

Trading name:	F	UCHSIN ACID VAN GIES	ON REAGENT		
Product code:	FAG-OT-X**	Date of compilation:	21 Dec 2022	Version:	6

	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 assessment	
	None	

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

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



Page 1 of 16

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

SECTI	ON 1: Identification of	the substanc	e/mixture a	and of the company/undertaking	
1.1.	Product identifier	Product identifier			
	Trading name:	HCL REAGE	NT, HEMOO	GNOST PERLS	
	Chemical name:	-			
	Catalogue number:	HCLH-OT->	(**		
1.2.	Relevant identified us	es of the subs	tance or mi	xture and uses advised against	
	Uses:		For use w	ith special staining kits in histopathology.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advi	sed against:	device, re	uct is intended for use only as an <i>in vitro</i> diagnostic medical gistered at the Agency for Medicinal Products and Medical nd there is no reason to use it for other purposes	
1.3.	Details of the supplier	Details of the supplier of the safety data sheet			
	Supplier:	Bi	ioGnost Ltd.		
	Address:	M	1edjugorska	ı 59, Zagreb	
	Telephone number:	+	385 1 24099	997	
	Fax no.:	+	385 1 24040	039	
	e-mail of competent p	oerson: <u>m</u>	nsds@biogn	<u>ost.hr</u>	
	National contact:	-			
1.4.	Emergency telephone	Emergency telephone number			
	National Protection and Rescue Direc		ectorate:	112	
	Medical information:	Medical information:		+385 1 2348 342	
	Other information:			-	

SECTIO	N 2. Hazards identification			
2.1.	Classification of the substance or mixture			
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and category	code:	Hazard statements*:	
	Not identified as hazardous subst	ance.	-	
2.1.2.	Additional information			
	-			
*For fu	ll text of Hazard- and EU Hazard-sta	atements: see S	ection 16	
2.2.	Label elements			
	Product identification:	HCL REAGEN	T, HEMOGNOST PERLS	
	Identification number: -			
	Authorization no.: -			
	Hazard pictograms:	-		



Page 2 of 16

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

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

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

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measu	Description of first aid measures			
	General notes:	-			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.			
	Self-protection of the first aid	er: Treat symptomatically.			
4.2.	Most important symptoms an	nd effects, both acute and delayed			
	Following inhalation:	No information available			
	Following skin contact:	No information available			
	Following eye contact:	No information available			



Page 3 of 16

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

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

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

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



Page 4 of 16

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

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

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



Page 5 of 16

Trading name:			HCL REAGENT, HEMOGNOST PERLS						
Product code:		HCLH-C	OT-X** Date of com		of compilatio	n:	14 Novem	ber 2022	Version: 4
		dations:			-				
Indus	trial se	ector spe	cific solution	IS:	-				
SECTION 8. E	vnociii	ro contro	als/navsana	l protoc	tion				
		ameters	ois/persona	i protec	.tion				
Subst	•		CAS N	lo	Occupationa values/sho			Biolo	gical limit values
					ppm		mg/m³		
-			-		-		-	No informa	ntion available
						ı			
Substance name:	-								
EC No:	-		CAS No:	-					
DNEL									
					Industrial				
D . (A	Acute		Acute		Chron	ic	Chronic
Route of expo	sure:	effe	ect local	effe	ect systemic		effect lo	ocal	effect systemic
Oral -		-		-		-		-	
Inhalation		-		-		-		-	
Dermal -		-		-		-		-	
Critical physic	al para	meters: s	olubility, fla	mmabili	ty, corrosivity:	1	-	1	
					Consumer				
Route of expo	curo.	A	Acute		Acute		Chron	ic	Chronic
Noute of expo	sui e.	offe	set local	off.	set exertencie		offort la	a cal	offost systemis

Route of exposure:	effect local	effect systemic	effect local	effect systemic
Oral	-	-	-	-
Inhalation	-	-	-	-
Dermal	-	-	-	-

PNEC

Environmental protection target	PNEC
Fresh water	No information available
Freshwater sediments	No information available
Marine water	No information available
Marine sediments	No information available
Food chain	No information available
Microorganisms in sewage treatment	No information available
Soil (agricultural)	No information available



Page 6 of 16

Trading name:		HCL REAGENT, HEMOGNOST PERLS				
Product code:	HCLH-OT-X**	Date of compilation: 1	14 November 2022	Version: 4		

Air			No information available		
0.2					
8.2.	Exposure controls				
8.2.1.	Appropriate engineering				
	Substance/mixture relate measures to prevent expeduring identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prexposure:	revent	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent exposure:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equip	oment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) visor.			
8.2.2.2.	Skin protection				
			ctive gloves must be according to the EU Directive 2016/425/EEC and ard EN 374.		
			Glove material: nitrile rubber		
			Glove thickness: ≥0.50 mm		
			Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long s (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter fo	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	formation available		
8.2.3.	Environmental exposure	controls			
	Substance/mixture relate measures to prevent expe		See Section 6		
	Structural measures to prexposure:	event	Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to prevent exposure:		See Section 6		



Page 7 of 16

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

		Value	Method
	Physical state:	liquid	No information available
	Color:	colourless	No information available
	Odour/odour threshold:	no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lower and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2.	Other information		

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

CECTION	44 -			ormation
	TI IOV	ICOLOGIC	'al int	armatian
JLC I IOI1	III. IUA	icologic	aı IIII	OHIHAUUH

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008



Page 8 of 16

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

Acute toxic	city:					
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure t	ime	Results
Oral exposure:	No information available	-	LD ₅₀	_		-
Dermal exposure:	No information available	-	LD ₅₀	-		_
Inhalation exposure:	No information available	-	LC ₅₀	-		-
Specific tar	rget organ toxicity – si	ngle exposure (S	TOT SE):			
	Specif	ic effects	Target	organ		Note
Oral exposure:	No information	available	No information	on available	-	
Dermal exposure:	No information	available	No information	No information available -		
Inhalation exposure	: No information	available	No information	No information available -		
Aspiration	hazard:	No inforn	nation available			
: •	hazard: nd corrosion:	No inform	nation available			
: •		No inform	nation available Evaluation	Method		Note
: •	nd corrosion:			Method 		Note
Irritation a	nd corrosion: Exposure time	Species	Evaluation			Note
Irritation a	nd corrosion: Exposure time - -	Species	Evaluation -			Note
Irritation and Skin irritation: Eye irritation:	nd corrosion: Exposure time - -	Species - -	Evaluation -			Note
Skin irritation: Eye irritation: Sensitization	nd corrosion: Exposure time	Species - - able	Evaluation -			Note
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	nd corrosion: Exposure time - - No information avail	Species able	Evaluation -	- -		Note
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	nd corrosion: Exposure time No information avail	Species able able	Evaluation -	- -		Note
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms	nd corrosion: Exposure time No information avail No information avail	Species able able all, chemical and to	Evaluation -	- -		Note
Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	nd corrosion: Exposure time No information avail No information avail related to the physica No information avail No information avail	Species able able al, chemical and to vailable vailable	Evaluation -	- -		Note



Page 9 of 16

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

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

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



Page 10 of 16

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

Chronic	inhalation	No informat	ion available	No information available	-		
	CMR effects	(carcinogenicity	mutagenicity; repr	roductive toxicity)			
	Carcinogenic	ity:	Based on availa	able data, the classification criteria a	are not met.		
	Mutagenicity	Mutagenicity in-vitro:		able data, the classification criteria a	are not met.		
	Genotoxicity:	•	Based on availa	able data, the classification criteria a	are not met.		
	Mutagenicity	in-vivo:	Based on available data, the classification criteria are not met.				
	Germ cell mu	ıtagenicity:	Based on available data, the classification criteria are not met.				
	Reproductive	e toxicity:	Based on available data, the classification criteria are not met.				
	Summary of	evaluation of th	e CMR properties:	-			
	,						
11.2.	Information of	on other hazard	5:				
11.2.1.	Endocrine dis	srupting proper	ies:				
	No known er	ndocrine disrupt	ing properties that	affect human health.			
11.2.2.	Other inform	ation:					
	_						

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



Chronic ecotoxicity

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

HCLH-OT-> nts IC ₅₀ - ce and degradation Degradation has information at a information a	72 hours of the second	Date Irs No i	of compilation: No information available Method	No avai	4 November		Versi	•
to information and information are information are information are information are information are	72 hours of the second	No i	No information available - Method	No i avaii	information lable	No informatic available -	on -	
ce and degradategradation Degradation had information at the informati	- alf-lives vailable vailable	No i	available - - Method	avai	lable	information available		
ce and degradation Degradation had information at the information at t	alf-lives vailable vailable	Noi	Method		Ev		-	
egradation Degradation hat information as information as information as	alf-lives vailable vailable				Ev	aluation		Noto
Degradation had been also information as information as information as information as	vailable vailable				Ev	aluation		Noto
o information a o information a o information a	vailable vailable				Ev	aluation		Nota
o information a	vailable		information availa					note
information a		NI - :		able	No informat	tion availal	ole	-
	vailable	INO I	information availa	able	No informat	ion availak	ole	-
o information a		No i	information availa	able	No informat	ion availak	ole	-
	vailable	No i	information availa	able	ble No information available		ole	-
No information in available	rmation	availal	formation ble		o information railable		informa ilable	
nulative potenti	al							
water partition	coefficien	t (log l	Kow)					
oncentration	рН	°C	Method					Note
information lable	-	-	No information available	on	No informat available	tion -		
ntration factor	(BCF)							
Spec	ies		Method		Evaluation		N	Note
No ir available	nformation							ation
/	vater partition incentration information able ntration factor Spec No ir	information pH information able ntration factor (BCF) Species No information	vater partition coefficient (log incentration pH °C information able	vater partition coefficient (log Kow) ncentration pH °C Method information able - No information able - Available ntration factor (BCF) Species Method No information No information	vater partition coefficient (log Kow) Incentration pH °C Method Information able - No information available Intration factor (BCF) Species Method No information No information	vater partition coefficient (log Kow) Incentration pH °C Method Evaluation Information able available available Intration factor (BCF) Species Method Evaluation No information No information No information	vater partition coefficient (log Kow) Incentration pH °C Method Evaluation Information able - No information available available Intration factor (BCF) Species Method Evaluation No information No information No information	vater partition coefficient (log Kow) Incentration pH °C Method Evaluation Information able Species Method Evaluation Species Method Evaluation No information Available Species Method Evaluation No information



Page 12 of 16

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

	Value	Dose	Exposure time	Species	Met	thod	Evaluation	Note
Chroni	Chronic toxicity on fish LC ₅₀		information i	No nformation ivailable	No inform availab	ation	No information available	-
	c toxicity on cea (<i>Daphnia</i>)	EC ₅₀	information i	No nformation available	No inform availab	ation	No information available	-
12.4.	Mobility in	soil						
	Known or p	redicted distribut	ion in environmer	ntal compart	ments:			
	No informa	ntion available						
	Surface ter	sion:						
	Value	°C	Concentration	on	Metho	od	Note	
	No information available	No information available	No informatio available	n No inf availal	ormatio	1 -		
Transp	A,	/ desorption /D coefficient nry's constant	log Kow	Evaporati	on rate	Me	thod	Note
Soil-wa	ater No availa	information ble	No information available	No inform available	nation	No info	i _	
Water-	-air No availa	information ble	No information available	n No information No infor available available		: <u> </u>		
Soil-aiı	r No availa	information ble	No information available	No inform available	nation	No info	- i -	
	<u></u>							
		DT D D	ssment					
12.5.		PBT and vPvB asse						
12.5.		ation available						
	No informa	ation available						
	No informa	ation available	ies	t affect the	environn	nent		
12.5.	No informa	ation available	ies	t affect the	environn	nent.		
	No informa Endocrine No known	ation available	ies	t affect the	environn	nent.		



Page 13 of 16

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

SECTIO	N 13. Disposal considerati	ions				
13.1.	Waste treatment method	ds				
	:					
13.1.1.	Product/Packaging dispo	osal:				
	Submit for disposal to the Protection.	ne legal person authorized by the Ministry of Environmental and Nature				
13.1.2.	Waste codes/waste design	gnations according to Law:				
	No information available					
13.1.3.	Waste treatment – releva	ant information:				
	No information available					
13.1.4.	Sewage disposal – relevant information:					
	Waste must not be disposed of into the sewage system.					
13.1.5.	Other disposal recommendations:					
	authorized by the minist	oduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge. Do not dispose of in places where				
13.1.6.	Relevant Community pro	ovisions:				
	-					
SECTIO	N 14. Transport informati	on				
	Transporting/shipment by	road (ADR)				
UN nun	nber:	Not subject to transport regulations.				
	per shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing	group:	_				
Environ	mentally hazardous:	_				
Special	precautions for user:	-				
	Transporting/shipment by	rail (RID)				
UN num	nber:	Not subject to transport regulations.				
UN proj	per shipping name:	-				



SAFETY DATA SHEET

amended by Regulation (EU) No. 2020/878

Page 14 of 16

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

Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further information: The product is	not subject to classification.

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



Page 15 of 16

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

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

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



SAFETY DATA SHEET

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

Page 16 of 16

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

	H: 314 335	Causes severe skin burns and eye damage. May cause respiratory irritation.
16.6.	Training advice:	-
		** "X" in the product code marks different volumes (different packagings of the product)
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to Chemical safety assessment

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SAFETY DATA SHEET

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

Page 1 of 16

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

1.1.	Product identifier				
	Trading name:	POTASSIUN	1 HEXACYAN	NOFERRATE, SOLUTION	
	Chemical name:	_			
	Catalogue number:	KHC-OT-X*	*		
1.2.	Relevant identified uses	of the subs	tance or mix	ture and uses advised against	
	Uses:		For use wit	th HemoGnost Perls kit.	
	Uses advised against:		Only the ic	dentified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier of	Details of the supplier of the safety data sheet			
	Supplier: Bio		ioGnost Ltd.		
	Address: M		Medjugorska 59, Zagreb		
	Telephone number: +		-385 1 2409997		
	Fax no.:	+ 3	+385 1 2404039		
	e-mail of competent pe	rson: <u>m</u>	msds@biognost.hr		
	National contact:	National contact: -			
1.4.	Emergency telephone number				
1.4.	Linergency telephone in				
1.4.	National Protection and	l Rescue Dire	ectorate:	112	
1.4.	<u> </u>	l Rescue Dire	ectorate:	112 +385 1 2348 342	

SECTIO	ON 2 HAZARDS INFORMATION	ı					
2.1.	Classification of the substance or mixture						
2.1.1.	Classification (REGULATION (EC) No. 1272/2008 (CLP)						
	Hazard class and category code: Hazard statements*:						
	Not identified as hazardous substance						
2.1.2.	Additional information						
	-						
*For fu	III text of Hazard- and EU Hazard	-statements: see S	Section 16				
2.2.	Classification according to EC	Directive Nr. 1272	/2008 CLP)				
	Product identification:	POTASSIUM	HEXACYANOFERRATE, SOLUTION				
	Identification number:	-					
	Authorization no.:	-					
	Hazard pictograms:	-					



Page 2 of 16

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

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

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS				
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
_	-	-	Contains no hazardous substances	-

4.1.	Description of first aid measures		
	General notes:	-	
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.	
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.	
	Self-protection of the first aider:	Treat symptomatically.	
4.2.	Most important symptoms and effects, both acute and delayed		
	FOILOWING INNAISTION.	cording to our findings, chemical, physical and toxicological properties of e substance have not been entirely tested.	
	FUILUMING SKIN CONTACT.	cording to our findings, chemical, physical and toxicological properties of a substance have not been entirely tested.	



Page 3 of 16

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

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

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

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



Page 4 of 16

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

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

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



Page 5 of 16

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

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION								
		meters						
Substance		CAS I			cupational exposure limit alues/short term values		Biological limit values	
					ŗ	opm	mg/m³	No information and labels
-			-			-	-	No information available
Substance								
EC No:	_		CAS No:	-				
DNEL				<u> </u>				
					Ind	lustrial		
Route of exposure:			Acute ect local	effe	Acute		Chronic effect loc	Chronic effect systemic
Oral		-		-			-	-
Inhalation		-		-			-	-
Dermal	Dermal					-		
Critical physica	al parar	neters: s	solubility, fla	mmabilit	ty, corr	rosivity:	-	
					Cor	nsumer	·	
Route of exposure:			Acute ect local	effe	Acute		Chronic effect loc	Chronic effect systemic
Oral		-		-			-	-
Inhalation		1		-			-	-
Dermal		-		-			-	-
PNEC								
Environmental	protec	tion tar	get			PNEC		
Fresh water						No information available		
Freshwater sec	diments	5				No information available		
Marine water				No information available				
Marine sediments					No information available			
Food chain					No infor	mation availab	le	
Microorganisms in sewage treatment					No infor	mation availab	le	
Soil (agricultur	ral)					No infor	mation availab	le
Air						No infor	mation availab	le



Page 6 of 16

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

8.2.	Exposure controls				
8.2.1.	Engineering measures				
	Substance/mixture relate measures to prevent expeduring identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to preexposure:	revent	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equi	oment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	2. Skin protection				
	Hand protection:		ctive gloves must be according to the EU Directive 2016/425/EEC and ard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long as (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN () used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	formation available		
8.2.3.	Environmental exposure	controls			
	Substance/mixture relate measures to prevent expe		See Section 6		
	Structural measures to preexposure:	event	Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to pr exposure:	event	See Section 6		

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



Page 7 of 16

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

	Physical state:	liquid	No information available
	Colour:	colourless	No information available
	Odour/odour threshold:	no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lower and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
2.	Other information		

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

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



Inhalation exposure:

Eye exposure:

No information available

No information available

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

Page 8 of 16

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

Product code:	KHC-OT-X**	Date of o	compilation:	21 Dec 2	2022	Version: 4	
Route of exposure:	Method	Species	Effective dos LD ₅₀ /LC ₅₀ o ATE _{mixture}		oosure time	e Results	
Oral exposure:	No information available	_	LD ₅₀		_	_	
Dermal exposure:	No information available	-	LD ₅₀		-	-	
Inhalation exposure:	No information available	-	LC ₅₀		-	-	
Specific ta	rget organ toxicity – si	ngle exposure (S	STOT SE):				
	Specif	ic effects	Targe	t organ		Note	
Oral exposure:	al exposure: No information available		No inform available	No information		-	
Dermal exposure:	No information	No informat available available		ation	-		
Inhalation exposure: No information		available	able No information available		-		
Respirator	y irritation:	No infor	mation availabl	e			
Irritation a	and corrosion						
	Exposure time	Species	Evalu	uation	Met hod	Note	
Skin irritation:	-	-	-		-	-	
Eye irritation:	_	-	-		-	_	
Sensitizati	on						
Dermal exposure:	No information avail	able					
Inhalation exposure:	No information avail	able					
Symptoms	s related to the physica	l chemical and	toxicological ch	naracteristi	CS		
Oral exposure:	No information av		comediagical ci	iaracteri3ti			
Dermal exposure:	No information av						



Subchronic dermal

Chronic oral

Subchronic inhalation

No information available

No information available

No information available

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

Page 9 of 16

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

	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Spacific	target organ toxicit	v – reneated o	vnosure (STO	T RE).		
Specific		pecific effects	Aposure (STO	Target orga	an	Note
Subacute oral		tion available	N	o information avai		
Subacute derma		ition available		o information avai		
Subacute inhalat	ion No informa	ntion available	N	o information avai	ilable -	
Subchronic oral No information available			N	No information available -		
	·······					

No information available

No information available

No information available

-



Page 10 of 16

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

Chronic dermal No information		n available	No information available	-			
Chronic	inhalation	No information	on available	No information available	-		
	CMR effects	(carcinogenicity, ı	nutagenicity, rep	roductive toxicity)			
	Carcinogenio			able data, the classification criteria a	are not met.		
	Mutagenicity	ı in-vitro:	Based on avail	able data, the classification criteria a	are not met.		
	Genotoxicity	•	Based on avail	able data, the classification criteria a	are not met.		
	Mutagenicity	ı in-vivo:	Based on avail	able data, the classification criteria a	are not met.		
	Germ cell mu	utagenicity:	Based on available data, the classification criteria are not met.				
	Reproductive	e toxicity:	Based on avail	able data, the classification criteria a	are not met.		
11.2	Information	on other hazards:					
11.2.1.		srupting propertion	7 C.				
	The substance components endocrine according to Commission 2017/2100 commission components are substance according to Commission commission components are substance are s	ce/mixture does n	ot contain to have properties 57(f) or ation (EU) degulation				
11.2.2.	Other inform	nation:					

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



Page 11 of 16

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

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

12.2. Persistence and degradability

Abiotic	doars	ndation
AUMONIC	\Box	101411011

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

Biodegradation

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

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water (log Kow):

	-					7
Value	Concentration	рН	°C	Method	Evaluation	Note
-	No information available	-	_	No information available	No information available	-



Page 12 of 16

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

Product co	ode: Kl	HC-OT-X**		Date o	of compilati	on: 21 Dec	2022	Version:	4
Bio	oconcentrat	ion factor (BCF)							
Value		Species	<u> </u>	Me	thod	Evaluation		Note	
No informa available	ition No	<u>`</u>	nation	No inforn available		No information	on No info	ormation a	/ailable
Ch	ıronic ecoto	oxicity							
V	'alue	Dose		osure ime	Species	Method	Evalua	tion	Note
Chronic tox	cicity on fish	LC ₅₀	No infor availa	mation i	No nformation available	No information available	No inform available	nation -	
Chronic tox crustacea (<i>I</i>	•	EC ₅₀	No infor availa	mation i	No nformation available	No information available	No inform available	nation -	
12.4. Mo	obility in so	il							
Kn	own or pre	dicted distributi	ion in e	environmer	ntal compart	ments:			
No	informatio	n available							
Su	rface tensio	n:			Ţ				
	Value	°C	C	oncentratio	on	Method		Note	
	ormation ailable	No information available		informatio ilable	n No inf availat	ormation ole	-	-	
Ac	lsorption / o	desorption							
Transport	-	coefficient 's constant	lc	log Kow Evaរុ		oration rate	M	ethod	Note
Soil-water	No available	information	No ir availa	nformation able	No inform	nation available	No info	ormation ble	-
Water-air	No available	information	No ir availa	nformation able	No inform	nation available	No info	ormation le	-
Soil-air	No available	information	No ir	nformation				-	



Trading name:

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

POTASSIUM HEXACYANOFERRATE, SOLUTION

Page 13 of 16

rading name:	POTASSIUM HEXACYANOFERRATE, SOLUTION					
Product code:	KHC-OT-X** Dat	e of compilation:	21 Dec 2022	Version: 4		
	f PBT and vPvB assessment					
accordin	tance/mixture does not contain co g to REACH Article 57(f) or Commis on (EU) 2018/605 at levels of 0.1%	ssion Delegated reg				
	e disrupting properties					
accordin	tance/mixture does not contain cog to REACH Article 57(f) or Commison (EU) 2018/605 at levels of 0.1%	ssion Delegated reg				
12.7. Other ad	verse effects					
	mation available					
1						
SECTION 13 DISI	POSAL CONSIDERATIONS					
13.1. Waste	treatment methods					
	t/Packaging disposal:					
Submit Protect	for disposal to the legal person aution.	ıthorized by the Mir	nistry of Environme	ntal and Nature		
13.1.2. Waste	codes/waste designations accordir	ng to Law:				
No info	ormation available	-				
·						
	treatment – relevant information:					
No info	ormation available					
13.1.4. Sewage	e disposal – relevant information:					
Waste	must not be disposed of into the s	ewage system.				
13.1.5. Other o	disposal recommendations:					
authori the pac	dispose of the product's remains i zed by the ministry in charge. Do r kaging to the collectors authorized may occur.	not dispose of the p	ackaging into the s	sewage system. Submit		
13.1.6. Relevai	nt Community provisions:					
-						



SAFETY DATA SHEET

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

Page 14 of 16

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

SECTION 14 TRANSPORT INFORMATION			
Transporting/shipment by road	(ADR)		
UN number:	Not subject to transport regulations.		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by rail (R	RID)		
UN number:	Not subject to transport regulations.		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		
Special precautions for user:	-		
Inland waterway transport (ADN)		
UN number:	Not subject to transport regulations.		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by sea (I	MDG)		
UN number:	Not subject to transport regulations.		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by air (IC	AO-TI/IATA-DGR)		
UN number:	Not subject to transport regulations.		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		
Environmentally hazardous:	-		



Page 15 of 16

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

Special precautions for user:	-
Further information: -	

SECTIO	ON 15 REGULATORY INFOR	RMATION			
15.1.	Safety, health and environ	nmental regulations/legislation specific for the substance or mixture			
	EU regulations				
	Authorization and/or restr	rictions of use			
	Authorizations:	-			
	Restrictions:	-			
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);			
	Information according 199 guideline)	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-quideline)			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act			
15.2.	Chemical safety assessmen	nt			
	None				

SECTION 16 Other information			
16.1. Indication of changes:	-		



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

amended by Regulation (EU) No. 2020/878

Page 16 of 16

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

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

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Exposure scenario resulting to Chemical safety assessment