

COLLOIDAL IRON KIT

The kit contains:

Acetic acid, Colloidal Iron (A) solution
Acetic acid, Colloidal Iron (B) solution
Colloidal Iron, stock solution
Fuchsin Acid Van Gieson reagent
HCL reagent, Colloidal Iron
Potassium hexacyanoferrate, Colloidal Iron solution



SAFETY DATA SHEET

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

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Trading name:	ACETIC ACID, COLLOIDAL IRON (A) SOLUTION				
Product code:	OKA-OT-X**	Date of compilation:	23 Dec 2022	Version:	3

1.1	Product identifier				
	Trading name:	ACETIC ACI	ACETIC ACID, COLLOIDAL IRON (A) SOLUTION		
	Chemical name:	-			
	Catalogue number:	OKA-OT-X*	*		
1.2	Relevant identified us	es of the subs	tance or n	nixture and uses advised against	
	Uses:		For use	with Colloidal Iron kit.	
	Uses advised against:	Uses advised against:		e identified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3	Details of the supplie	r of the safety	data shee	t	
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2		
	Telefax.: e-mail of competent	oerson:			
		oerson:		2404039	
1.4	e-mail of competent		msds@b	2404039	
1.4	e-mail of competent National contact:	number	msds@b	2404039	
1.4	e-mail of competent National contact: Emergency telephone	number	msds@b	2404039 Diognost.hr	

SECTIO	ON 2. Hazards identification	1			
2.1	Classification of the substar	Classification of the substance or mixture			
2.1.1	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and ca	tegory code:	Hazard statements*:		
	Flam. Liq. 3		H226		
	Skin Irr. 2		H315		
	Eye Irr. 2		H319		
2.1.2.	Additional information				
	-				
*For fu	ıll text of Hazard- and EU Haz	ard-statements: se	e SECTION 16		
2.2	Label elements				
	Product identification:	ACETIC ACID	, COLLOIDAL IRON (A) SOLUTION		
	Identification number:	-			



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	Authorization number:	-		
	Hazard pictograms:	GHS02 GHS07		
	Signal word:	Warning		
	Hazard statements:	H226 Flammable liquid and vaporH315 Causes skin irritation.H319 Causes serious eye irritation.		
	Precautionary statements:	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately contact POISON CENTER/physician. P308+P313 IF exposed or concerned: Get medical advice/ attention.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	The product has no other kno	own specific hazards for human or environment.		
	Results of PBT and vPvB asses PBT or vPvB substances.	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.		
	Endocrine disrupting propert	y: Based on available data, does not contain endocrine disruptors.		

SECTION 3. Co	SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)		
64-19-7/ 200-580-7/ 607-002-00-6	-	10 - 13 %	acetic acid, glacial 99%	Flam. Liq. 3; H226 Skin Corr. 1A; H314		

CECTI	ANI 4		
SECTI	ON 4	First aid	measures

4.1 Description of first aid measures



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	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.		
	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 modi	cal attention and special treatment needed		

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



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SECTIO	ON 6. Accidental release meas	ures		
6.1	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. 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 (see Section 8).	case of inadequate ventilation use adequate airways protective equipment		
6.2	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3	Methods and material for con	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand 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.		
		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:	Secure proper ventilation.	
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.	



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	Other measures:	Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. Th	noroughly wash hands after work and before eating.		
7.2	Conditions for safe storage, including any incon	npatibilities		
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Protect from heat and direct sunlight.		
	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 10).		
7.3	Specific end use(s)			
	Recommendations:	-		
	Industrial sector specific solutions:	-		

industrial sector specific solutions.								
SECTION 8. Expos	ure contr	ols/perso	nal pro	otection				
8.1 Control pa	arameters							
Substance	1	CA	S No			exposure limit term values		Biological limit values
				рр	m	mg/m³		
Acetic acid		64-	19-7	10/	20	25/50	-	
				•			•	
Substance name:	-							
EC No:	-	CAS No	•	-				
DNEL								
				Indus	strial			
Route of	Acı	ıte	,	Acute		Chronic		Chronic
exposure:	effect	local	effec	t systemic		effect local		effect systemic
Oral	1		-		-			-
Inhalation	-		-		-			-
Dermal	-		-		-			-
Dermal	-		-		-			-



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			Co	onsumer		
Route of exposure	•	Acute effect local	Acute effect system	ic	Chronic effect local	Chronic effect systemic
Oral		-	-	-		-
Inhalation		-	-	-		-
Dermal		-	-	-		-
PNEC						
Environm	ental protec	tion target		PNEC		
Fresh wat	er			no info	rmation available	
Freshwate	er sediments	5		no info	rmation available	
Marine wa	ater			no info	rmation available	
Marine se	diments			no info	rmation available	
Food chai	n			no info	rmation available	
Microorga	anisms in se	wage treatment		no information available		
Soil (agric	ultural)			no information available		
Air				no info	rmation available	
8.2	•	e controls				
8.2.1.	Appropri	iate engineering	controls	l		
		ce/mixture related exposure during		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structura exposure	al measures to pro e:	event	In accordance with Section 7.		
	Organisa exposure	tional measures :	to prevent	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 concentration levels in air below permitted stations for rinsing eyes and showering.			below permitted levels. Secure		
8.2.2.	Personal	protection equip	ment			
8.2.2.1.	Eye and	face protection:	levels	Safety glasses that stick to face (EN 166) or visor in case of low levels of concentration in air; protective gas mask that covers t entire face in case of higher levels of concentration in air.		ective gas mask that covers the
	Skin prot	_	<u>i</u>			



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	Hand protection:	The protective gloves have to satisfy the specification of Regulation (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 the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, 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) according to EN 14387) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No information available			
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Section 6			
	Structural measures to prevent exposure:	Use modern equipment.			
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to prevent exposure:	See Section 6			

SECTI	SECTION 9. Physical and chemical properties				
9.1	Information on basic physical and	chemical properties			
		Value	Method		
	Physical state:	liquid	No information available		
	Colour:	colourless	No information available		
	Odour:	mild acetic acid like/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		



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9.2	Other information		
	Oxidising properties:	No information available	No information available
	Explosive properties:	No information available	No information available
	Viscosity:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Partition coefficient: n-octanol/water (log Kow):	No information available	No information available
	Solubility(ies):	No information available	No information available
	Bulk density:	No information available	No information available
	Relative density:	No information available	No information available
	Vapour density:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Upper/lower flammability or explosive limits:	No information available	No information available

SECTIO	SECTION 10. Stability and reactivity				
10.1	Reactivity:	See subsections 10.3 through 10.5.			
10.2	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (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			

SECTION 11. Toxi	cological informati	on			
11.1 Information	on on toxicological e	ffects			
Acute toxi	city:				
Route of exposure:	Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results
Oral:	No information available	-	No information available	-	-
Dermal:	No information available	-	No information available	-	-
Inhalation:	No information available	-	No information available	-	-



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					<u> этгрласі</u>	23 2		701	
:									
Specific	target org	an toxicit	y – single exp	posure (ST	TOT SE):				
		Spec	ific effects	Target organ			n		Note
Oral:	No inf	No information available			No info	rmation avail	able	-	
Dermal:	No inf	No information available			No info	rmation avail	able	-	
Inhalation:	nhalation: No information available		available		No info	rmation avail	able	-	
Aspirati	on hazard:			No inform	nation av	ailable.			
Irritation	n and corro							1	
		Exposur	e time	Specie	es	Evaluation	Method		Note
Skin corrosion/irritation	on: -			-		-	-	-	
Serious eye damage/irritation	n -			-		-	-	-	
÷			:		·				
Sensitiz	ation								
Skin sensitization	1:	No inf	ormation ava	ailable.					
Respiratory sensi	itization:	No inf	ormation ava	ailable.					
Sympto	ms related	to the pl	nysical, chem	ical and to	oxicologi	cal character	istics		
Oral exposure:	Har	mful if sw	vallowed.						
Dermal exposure	e: Har	mful if ab	sorbed throu	ugh skin. N	May caus	se skin irritati	on.		
Inhalation expos	ure: Har	mful if in	haled. May ca	ay cause respiratory tract irritation.					
Eye exposure:	May	/ cause e	ye irritation.						
Repeate	ed dose tox	cicity (sub	acute, subch	ronic, chro	onic)				
	Do	se	Exposure time	Specie	S	Method	Evaluat	ion	Note
Subacute oral	No info available	rmation	No information available	No inform availab		No information available	No informa availabl		-
Subacute dermal	No info available	rmation	No information available	No inform availab		No information available	No informa availabl	1	_
Subacute inhalation	No info available	rmation	No information available	No inform availab		No information available	No informa availabl		_



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Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	_
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

Specific target	organ toxicity – repeated exposure ((STOT RE):	
	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-
Chronic inhalation	No information available	No information available	_

CMR effects (carcinogenicity;	mutagenicity; reproductive toxicity)
Carcinogenicity:	Based on available data, the classification criteria are not met.
Mutagenicity 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 mutagenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.



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		Based on available data, the classification criteria are not met.
11.2.	Information on other hazards:	
11.2.1.	Endocrine disrupting properties:	
	Based on available data, does not contain endocrine disruptors.	
11.2.2.	Other informations:	
	-	

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	-	
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	-	-	-	_	_	-	



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Abiot	c degrac	ation							
	Deg	radation h	alf-lives	N	/lethod	Evaluatio	n		Note
Marine water	No inf	ormation a	available	No inf availat	ormation ole	No information available	n	-	
Fresh water	No inf	ormation a	available	No information available		No information available		-	
Air	No inf	ormation a	available	No information available		No information available	n	_	
Soil	No inf	No information available		No inf availat	ormation ble	No information available	n	_	
Riode	gradatio	n							
% Degradati		Time (davs)	<u> </u>	Лethod	Evaluatio	n		Note
No information	n N		formation		ormation	No information		No info	mation
		e potentia		l K	<u> </u>				
Value		·	oefficient (°C		Frale	-4:		Nata
	Concen	tration	pH -		Method -	Evalu	ation		Note
								-	
Bioco	ncentrati	on factor (BCF)			-		1	
Value		Speci	es		Method	Evaluati	on		Note
value									
No information		in [.] iilable	formation	No info	ormation ble	No information	on	-	
No information available			formation				on	-	
No information available		ilable	formation				on	-	
No information available	ava	ilable	Exp					ation	Note



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Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No information available	No inforr availa	nation ble	No informa availab			ormation ilable	-	
12.4	Mok	oility in soi	il								
	Kno	wn or pred	dicted distributi	on in environm	nental c	omparti	ments:				
	No i	nformatio	n available								
	Surface tension:										
	\	Value	°C	Concentra	ition		Metho	d			Note
		rmation lable	No information available	No information available		No information available			-		
	Ads	orption / o	desorption								
Transp	Transport A/D coefficient Henry's constant			log Kow E		Evaporation rate Met		Meth	od	Note	
Soil-wa	-water No information No information No information available available available			nation	-						
Water-	air	No available	information	No information		o inform ailable	ation	No ir availa		nation	-
Soil-air	•	No available	information	No information available No info		o inform ailable	ation	tion No information available		nation	-
12.5			and vPvB assestable data, the p		ot cont	ain any	PBT or v	PvB su	bstar	nces.	
12.6.			rupting properti								
	Base	ed on avai	lable data, does	not contain er	ndocrin	e disrup	tors.				
12.7		er adverse									
	No 1	further rel	evant information	on available.							
SECTIO	ON 13.	. Disposal	l consideration	S							
13.1	14/	acto troati	ment methods								



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13.1.1.	Product/Packaging dispos	al:		
	Submit for disposal to the Protection.	legal person authorized by the Ministry of Environmental and Nature		
	Trotection.			
13.1.2.	Waste codes/waste design	nations according to Law:		
	15 01 10*: Packaging that contains residual hazardous substances or is contaminated with hazardous substances			
13.1.3.	Waste treatment – relevant information:			
	No information available			
13.1.4.	Sewage disposal – relevan	nt information:		
	Waste must not be dispos	ed of into the sewage system.		
13.1.5.	Other disposal recommen	dations:		
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge.			
13.1.6.	Relevant Community prov	isions:		
	Disposal must be made ad	cording to official regulations.		
SECTION	N 14. Transport informatio	n		
	Transporting/shipment by re	oad (ADR)		
UN num	ber:	2790		
UN prop	er shipping name:	Acetic acid solution		
Transpor	t hazard class(es):	8		
Packing	group:	III		
Environn	nentally hazardous:	-		
Special p	precautions for user:	-		
	Transporting/shipment by ra	ail (RID)		
UN num	ber:	2790		
UN prop	er shipping name:	Acetic acid solution		
Transpor	t hazard class(es):	8		
Packing	group:	III		
Environn	nentally hazardous:	-		
Special p	precautions for user:	-		



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Inland waterway transport (ADN))
UN number:	2790
UN proper shipping name:	Acetic acid solution
Transport hazard class(es):	8
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	2790
UN proper shipping name:	Acetic acid solution
Transport hazard class(es):	8
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC.	AO-TI/IATA-DGR)
UN number:	2790
UN proper shipping name:	Acetic acid solution
Transport hazard class(es):	8
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

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



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······		
	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; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
1	Information according 1999/ guideline)	13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2	Chemical safety assessment	
	None	

SECTION 16. Other information		
16.1 Indication of changes:	-	



SAFETY DATA SHEET

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

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16.2	Abb	previations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	3. Key literature references and source of data:		-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)					
Classific	catior	1	Classification procedure			
16.5.	Rele	evant H statements (numb	per and full text)			
		226	Flammable liquid and vapour.			
	H:	314	Causes severe skin burns and eye damage.			
		315	Causes skin irritation.			
		319	Causes serious eye irritation.			
16.6.	Trai	ning advice:	-			
16.7.	Further information:		** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



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Trade name:	ACETIC ACID, COLLOIDAL IRON (B) SOLUTION				
Product code:	OKB-OT-X**	Date of compilation:	14 November 2022	Version:	2

1.1.	Product identifier					
	Trading name:	ACETIC	ACID, CO	OLLOIDAL	IRON (B) SOLUTION	
	Chemical name:	-				
	Product code:	OKB-OT	-X**			
1.2.	Relevant identified us	ses of the	substan	nce or mixt	ure and uses advised against	
	Uses:			For use wit	th Colloidal Iron kit.	
	Uses advised against:			Only the ic	dentified uses are advised.	
	Reason why uses advised against: me			ct is intended for use only as an <i>in vitro</i> diagnostic evice and there is no reason to use it for other		
1.3.	Details of the supplier of the safety data sheet					
	Supplier: Biod		BioGno	oGnost Ltd.		
	Address:	Address: N		Medjugorska 59, Zagreb		
	Telephone number:		+385 1	+385 1 2409997		
	Telefax:		+385 1	+385 1 2404039		
	e-mail of competent	person:	msds@	sds@biognost.hr		
	National contact:	National contact:				
1.4.	Emergency telephone	e number	´S			
	National Protection a	nd Rescu	ie Direct	orate:	112	
	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 statement*:				
	Skin Irr. 2		H315		
	Eye Irr. 2		H319		
2.1.2.	Additional information				
	-				
*For th	e full text of H and EUH phras	ses see Section 16.			
2.2.	Label elements				
	Product identification:	ACETIC ACID,	COLLOIDAL IRON (B) SOLUTION		
	Identification number:	-			
	Authorisation number:	-			



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Trade name:	ACETIC ACID, COLLOIDAL IRON (B) SOLUTION					
Product code:	OKB-OT-X**	Date of compilation:	14 November 2022	Version:	2	

	Hazard pictograms:	GHS07
	Signal word:	Warning
	Hazard statement:	H315 Causes skin irritation H319 Causes serious eye irritation.
	Precautionary statement:	P280 Wear protective gloves/protective clothing/eye/protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 IF exposed or concerned: Get medical advice/ attention.
	Supplemetal hazard information (EU):	-
2.3.	Other hazards	
		ting properties. tains no components considered to be either persistent, bioaccumulative istent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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)		
64-19-7/ 200-580-7/ 607-002-00-6	-	4 – 5 %	acetic acid, glacial 99%	Flam. Liq. 3; H226 Skin Corr. 1A; H314		

SECTIO	SECTION 4. First aid measures					
4.1.	Description of first aid me	Description of first aid measures				
	General notes:	Move out of dangerous area. Show this safety data sheet to the doctor and first responders.				
	Following inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical advice.				
	Following skin contact:	Wash off with soap and plenty of water. If irritation occurs and persists: Get medical advice.				



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Trade name:	ACETIC ACID, COLLOIDAL IRON (B) SOLUTION				
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	Following eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs and persists: Get medical advice.		
	Following ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water.		
	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.		
	Following eye contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.		
	Following ingestion:	Following ingestion: According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.		
4.3.	Indication of any immedi	ate medical attention and special treatment needed		
•	Treat symptomatically.			

SECTIO	ECTION 5. Firefighting measures					
5.1.	Extinguishing media					
	Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray (FOG) or foam.				
	Unsuitable extinguishing media:	Avoid solid water stream as it may scatter and spread fire.				
5.2.	Special hazards arising from the su	bstance or mixture				
	Hazardous by products of fire:	Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiant at sufficient concentrations).				
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 Heating may cause container cracking due to increase in pressure. Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.					

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel	For non-emergency personnel			
	Protective equipment: Use suitable personal protective equipment (see Section 8).				



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Trade name:	ACETIC ACID, COLLOIDAL IRON (B) SOLUTION				
Product code:	OKB-OT-X**	Date of compilation:	14 November 2022	Version:	2

	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Use protective equipment; in (see Section 8).	case of inadequate ventilation use adequate airways protective equipment		
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Nationa Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and materials for co	ontainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		
6.3.2.	Cleaning up:	After removing the product, use water to wash the work space and used materials.		
6.3.3.	Other information:	No information available.		
6.4.	Reference to other sections			
	-			

SECTIO	ION 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. Refer to the manufacturer's recommendations.			
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.			
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.			
	Other measures:		-			
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. The	noroughly w	ash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incor	npatibilities				
	Technical measures and storage conditions:	cal measures and storage conditions: Keep in tig well ventila ranging fro				
	Packaging materials: Manufacturer's original packagi		urer's original packaging.			
	Requirements for storage rooms and vessels:		y from food and drink. Keep the containers osed.			



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	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-
SECTIO	N 8. EXPOSURE CONTROLS / PERSONAL PROT	rection
8.1	Control parameters	

		rameter		ERSONA	AL PROTECTIO)N			
Substance		CAS No		•	Occupational exposure limit values/short term values		Biological limit values		
					ppm	mg/	m ³	J	
Acetic acid			64-19)-7	10/20	25/5	50		-
<u> </u>									
Substance:	-			¥ 1 1 1					
EC No:	-		CAS No:	-					
DNEL									
					Industrial				
Route of expo	cura.	Acu	cute effect Ac		ute effect	Chronic effect			Chronic effect
Noute of expo	sui e.		local	S	ystemic		local		systemic
Oral		-		-		-		-	
Inhalation		-		-		-		-	
Dermal		-		-		-		-	
Critical physical	al para	meters:	solubility, fl	ammabil	ity, corrosivity:		-		
					Consumer				
Б		Acu	te effect	Ac	ute effect	Chro	onic effect		Chronic effect
Route of expo	sure:		local	S	ystemic		local		systemic
Oral			-		-				
Inhalation		-		-		-		-	
Dermal									
PNEC									
Environmenta	l prote	ction ta	rget		PNEC				



Fresh water

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Trade name:	ACETIC ACID, COLLOIDAL IRON (B) SOLUTION				
Product code:	OKB-OT-X**	Date of compilation:	14 November 2022	Version:	2

No information available

Freshwate	er sediments		No information available		
Marine w	ater		No information available		
Marine se	ediments		No information available		
Food cha	in		No information available		
Microorg	anisms in sewage treatment		No information available		
Soil (agric	cultural)		No information available		
Air			No information available		
8.2.	Exposure controls				
8.2.1.	Appropriate engineering controls	5			
	Substance/mixture related measure to prevent exposure during ident uses:	ified (Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prevent exposure:	1	No information available Organization of work in order to reduce other worker's influence during work process.		
	Organisational measures to preve exposure:				
	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 equipment:				
8.2.2.1.	Eye and face protection:		Safety glasses tested and approved under appropriate standards such as EN 166(EU).		
8.2.2.2.	Skin protection:				
	Hand protection:	ŗ [Handle with chemical resistant gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from t.		
	Other skin protection:	1	No specific protective equipment required.		
8.2.2.3.			Use when overexposure potential. Improper use of respirators is dangerous.		
8.2.2.4.			No information 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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Trade name:	ACETIC ACID, COLLOIDAL IRON (B) SOLUTION				
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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/odour threshold:	mild acetic acid like/no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	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:	Not reactive under normal conditions.	
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).	



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Product code:	OKB-OT-X**	Date of compilation:	14 November 2022	Version:	2

10.3.	Possibility of hazardous reactions:	No information available.
10.4.	Conditions to avoid:	Contact with incompatible materials and temperature extremes.
10.5.	Incompatible materials:	Strong oxidizers.
10.6.	Hazardous decomposition products:	Does not decompose under normal conditions. During fire, thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (as asphyxiant as sufficient concentrations).

11.1. Inform	nation on to	xicological effe	ects						
Acute	toxicity:								
Route of exposure:	Mı	ethod	Sp	ecies	Effect Do LD ₅₀ /L ATE _m	se C ₅₀ or	Exposu time	re	Results
Oral:	_	ormation ailable		_	No inform availa	ation	_		_
Dermal:		ormation ailable		-	No inform availa	ation	_		_
Inhalation:		ormation ailable		-	No information available		-		_
Speci	fic target or	gan toxicity - si	ingle e	vnosura (STI	OT-SE).				
Эрссі	ne target org		fic effe		O1 3L).	Target organ			Note
Oral:	No info	rmation availal	ble			-		-	
Dermal:	No info	rmation availal	ble			-		-	
Inhalation:	No info	rmation availa	ble			-		-	
Aspir	ation hazard	;	-	-					
Irritat	ion and corr	osion							
		Exposure ti	me	Species	5	Evaluati	on N	/lethod	Note
Skin corrosion/irritation:		No inform available	ation	rabbit	_		_		mild skin irritation



No information

available

information

available

Chronic oral

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Todact code.	OND	<u> </u>	Date of	r compliation.	14 NOVEITIBE	2022	version. Z
Serious irritatio	erious irritation to eyes: No avai		information able	rabbit	24 h	-	eye irritation
6 .							
	tization						
Skin sensitizatio	on: N	o inform	nation available	2.			
Respiratory sensitization:	N	o inform	nation available	2.			
	·						
Symp	toms relat	ed to ph	ysical, chemica	al, and toxicologi	ical properties		
Oral exposure:		No kn	own specific sy	mptoms.			
Dermal exposur	re:	No kn	own specific sy	mptoms. May ca	ause skin irritatio	n.	
Inhalation expo	sure:	No kn	own specific sy	mptoms.			
Eye exposure:		No kn	own specific sy	mptoms. May ca	use mild eye irri	tation.	
Repea	ated dose	toxicity ((subacute, subo	chronic, chronic)			
	Do	se	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No infor		No information available	No information available	No information available	No information available	No information available
Subacute dermal	No infor		No information available	No information available	No information available	No information available	No information available
Subacute inhalation	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic oral	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic dermal	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic inhalation	No infor		No information available	No information available	No information available	No information available	No information available
	No infor	mation	No	No	No	No	No

information

available

information

available

information

available

information

available



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Chronic dermal	No information available	No information available	No informati available	on	No information available	No information available	No information available			
Chronic inhalation	No information available	No information available	No informati available	on	No information available	No information available	No information available			
Sne	ecific target organ to	vicity - repeated	l evnosure i	′ST∩T	_DE).					
	ceme target organ te	Specific ef		(3101	Target org	ıan	Note			
Subacute ora	ıl P	No information available			information ava		No information available			
Subacute der	rmal N	No information available			information ava	ailable	No information available			
Subacute inh	alation N	lo information a	vailable	No	information ava	ailable	No information available			
Subchronic o	ral N	No information available			information ava	ailable	No information available			
Subchronic d	ermal N	No information available			information ava	ailable	No information available			
Subchronic ir	nhalation N	No information available			information ava	ailable	No information available			
Chronic oral	١	No information available			information ava	ailable	No information available			
Chronic derm	nal N	lo information a	vailable	No	information ava	ailable	No information available			
Chronic inhal	ation N	lo information a	vailable	able No information availab			No information available			
CM	IR effects (carcinoge	nicity mutagoni	city roprod	uctive	n tovicity)					
		nicity, mutagem				e classificatio	n criteria are not			
Cai	cinogenicity:		met.							
Mu	itagenicity <i>in-vitro</i> :		met.				n criteria are not			
Ge	notoxicity:		met.				n criteria are not			
Mu	itagenicity <i>in-vivo</i> :		met.							
Ge	rm cell mutagenicity		met.				n criteria are not			
Re _l	oroductive toxicity:	Rase			ased on available data, the classification criteria are no eet.					



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Trade name:		ACETIC ACID, COLLOIDAL IRON (B) SOLUTION						
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	Summary of evaluation of the CMR properties: No information available
11.2.	Information on other hazards:
11.2.1.	Endocrine disrupting properties:
	No known endocrine disrupting properties that affect human health.
11.2.2.	Other informations:
	-

SECTION 12. Ecological information										
12.1. Toxicity										
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note				
Fish	LC ₅₀	96 hours	-	-	-	-				
Crustacea:	EC ₅₀	48 hours	-	-	-	-				
Algae/aquatic plants:	IC ₅₀	72 hours	-	-	-	-				
Other organisms	-	-	-	-	-	-				
Chronic (long-term) toxicity	Doza	Exposure time	Species	Method	Evaluation	Note				
Fish	LC ₅₀	96 hours	-	-	-	-				
Crustacea:	EC ₅₀	48 hours	-	-	-	-				
Algae/aquatic plants:	IC ₅₀	72 hours	-	-	-	-				
Other organisms	-	-	-	-	-	-				

12.2. Persistence and degradability Abiotic degradation Degradation half-lives Method **Evaluation** Note Marine No information No information available No information available available water No information available No information available No information Fresh water available No information available No information available No information Air available No information available No information available No information Soil available Biodegradation



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Trade name:				ACET	IC A	CID, COLLO	IDA	AL IRON (B) S	OLU	TION		
Product code	e:	OKB-OT-X	**	Date	e of c	ompilation:	1	14 November	2022		Version:	2
% Degradat No informati available		Time No informa available				Method formation ible		Evaluation o information vailable		-	Note	
		nulative pote										
	1	water partiti				-						
Value No information available	No i	ncentration Information lable	pH -	-	°C	Method No informat available		No informa available		-	Note	
Value No informati		entration Fac Spe No informa	cies	\		Method formation		Evaluation No information		_	Note	
available		available		a	availa	ble		available				
Ch	ronic	ecotoxicity	2									
Valu	ıe	Dos	e E	xposur time	e	Species		Method	Eν	/aluation	No	te
Chronic toxic	city on	fish LC ₅₀		ormatio iilable	on	No information available		No information available	1	ormation ilable	-	
Chronic toxicity on crustacea (Daphnia) EC ₅₀			ormatio iilable	on	No information available		No information available		ormation ilable	-		
12.4. Mo	hili+v	in soil										
			distribut	ion in e	enviro	onmental com	par	tments:				
INII		. p. calcted					. Pui					
Sur	face t	ension:		1		ı						
\	/alue	°(2	Con	ncenti	ration		Method			Note	



13.1.2.

Waste codes/waste designations according to Law:

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

Trade na	ame:			ACETIC ACID	COLLO	IDAL I	RON (B) SOI		Page 13 of 17	
Product	code:	0	KB-OT-X**	Date of comp			November 20			
		matio nilable	No information available	No information available		No information available				
	Adsc	orption	/ desorption							
Transpo	rt	-	coefficient ry's constant	loa Kow Method		Method		Note		
Soil-wat		No info availab	ormation le	No information available	No informa availabl		No informat available	ion	-	
Water-a		No information available		No information available	No informa availabl	ation	No informat available	ion	-	
Soil-air	No information Soil-air available		No information available	No informa availabl	ation	No informat available	ion	-		
12.5.	This	substar		sessment ntains no compone rsistent and very bi			•			ve
			2.77 o. to.y po.			(, cgc	
12.6.	Endo	crine d	lisrupting prope	erties						
	prop	erties a	according to RE	es not contain com ACH Article 57(f) o J) 2018/605 at leve	r Commi	ssion D	elegated regul			or
12.7.	Othe	r adver	rse effects							
14.1.			tion available							
	INO II	norma	lion available							
SECTIO	N 13. [Disposa	al consideration	ons						
13.1.			ment methods							
13.1.1.	Pro	duct/Pa	ackaging dispo	sal:						
		mit for tection	•	e legal person auth	norized by	y the M	linistry of Envir	onmen	tal and Nature	



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Trade name:	ACETIC ACID, COLLOIDAL IRON (B) SOLUTION				
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	Disposal must be made according to official regulations.					
13.1.3.	Waste treatment – relevant information:					
	No information available					
13.1.4.	Sewage disposal – relevant ir	nformation:				
	Waste must not be disposed	of into the sewage system.				
13.1.5.	Other disposal recommendat	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. collectors authorized by the ministry in charge.				
13.1.6.	Relevant Community provision	ons:				
	-					
SECTION	14. Transport information					
	Transporting/shipment by road	d (ADR)				
UN numb	er:	Not subject to transport regulations				
UN prope	r shipping name:	-				
Transport	hazard class(es):	-				
Packing g	roup:	-				
Environme	ental hazards:	-				
Special pr	ecautions for user:	-				
	Transporting/shipment by rail	(RID)				
UN numb	er:	Not subject to transport regulations				
UN prope	r shipping name:	-				
Transport	hazard class(es):	-				
Packing g	roup:	-				
Environme	ental hazards:	-				
Special pr	ecautions for user:	-				
	Transporting/shipment by inla	nd waterways (ADN)				
UN number:		Not subject to transport regulations				
UN proper shipping name:		-				
Transport	hazard class(es):	-				
Packing g	roup:	-				
Environme	ental hazards:	-				



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Trade name:					
Product code:	OKB-OT-X**	Date of compilation:	14 November 2022	Version:	2

Special precautions for user:	-
Transporting/shipment by sea	a (IMDG)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air	(ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Further information: -	

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



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		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		
	Other EU regulations:	and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;		
		Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;		
		Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;		
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);		
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act		
15.2.	Chemical safety assessn	nent		
	_			

SECTIO	N 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:	Manufacturer's MSDS file.



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16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)					
Classific	ation		Classification procedure			
-			-			
16.5.	Relev	ant H statements (nu	mber and full text)			
	H:	226 314 315 319	Flammable liquid and vapour. Causes severe skin burns and eye damage. Causes skin irritation. Causes serious eye irritation.			
16.6.	Train	ing advice:	-			
16.7. Further information:		er information:	"X" in the product code marks different volumes (different packaging of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

ANNEX: Exposure scenario resulting to Chemical safety assessment



SAFETY DATA SHEET

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

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Trading name:	COLLOIDAL IRON, STOCK SOLUTION				
Product code:	KOL-OT-X**	Date of compilation:	21 Dec 2022	Version:	3

SECTI	ON 1: Identification of	the substa	ance/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name: COLLOII		DAL IRON, STOCK SOLUTION		
	Chemical name:	- KOL-OT-X**			
	Catalogue number:				
1.2.	Relevant identified uses of the substance or mixture and uses advised against				
	Uses:		Reagent for binding ferric ions to acid mucopolysaccharides and proteoglycans.		
	Uses advised against:		Only the identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes		
1.3.	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Fax no.:		+385 1 2404039		
	e-mail of competent person:		msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone number				
	National Protection and Rescue I		Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and cate	egory code:	Hazard statements*:			
	Not identified as hazardous substance.		-			
2.1.2.	Additional information					
	-					
*For fu	ıll text of Hazard- and EU Hazar	d-statements: see S	ection 16			
2.2.	Label elements					
	Product identification:	COLLOIDAL I	RON, STOCK SOLUTION			
	Identification number:	-				
	Authorization no.:	-				



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Trading name:	COLLOIDAL IRON, STOCK SOLUTION						
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	Hazard pictograms:	-						
	Signal word:	-						
	Hazard statements:	-						
	Precautionary statements:	-						
	Further information:	-						
2.3.	Other hazards							
	Endocrine Disrupting Proper	ties:						
	No known endocrine disrupting	g properties						
	Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not a PBT or a vPvB.							

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

SECTI	ON 4. First aid measures	
4.1.	Description of first aid measures	
	General notes:	-
	Following inhalation:	No information available
	Following skin contact:	No information available
	Following eye contact:	No information available
	Following ingestion:	No information available
	Self-protection of the first aider:	Treat symptomatically.
4.2.	Most important symptoms and ef	fects, both acute and delayed
	Following inhalation:	No information available
	Following skin contact:	No information available
	Following eye contact:	No information available
	Following ingestion:	No information available
4.3.	Indication of any immediate medi	cal attention and special treatment needed
	-	

SECTION 5 Firefighting measures					
5.1.	Extinguishing media				



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	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 s	ubstance or mixture				
	Hazardous combustion products: No information available					
5.3.	Advice for firefighters					
	Use a self-contained open-circuit Cool closed containers exposed to	compressed air breathing apparatus and fireproof clothing. o fire with water spray or vapor.				
5.4.	Additional information					
	Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.					

6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personne	el			
	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 cor	ntainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.			
6.3.2.	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				



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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 generation:	Secure proper ventilation.					
	Measures to protect the environment: Other measures:	Prevent spilling into the sewage system and waterways.					
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)						
	Recommendations:	-					
	Industrial sector specific solutions:	-					

SECTION 8. Exposure controls/personal protection							
8.1. Control parameters							
	Substance	CAS No	'	exposure limit term values	Biological limit values		
			ppm mg/m³		_		



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Trading na	ıme:	COLLOIDAL IRON, STOCK SOLUTION									
Product co	de:	KOL-OT	-X**		Date o	f compila	tion:	21 De	c 2022	Version:	3
	•		I					•	I		
-			-			-		-	No inform	nation availab	le
Substance name:	-										
EC No:	-		CAS No:	-							
DNEL											
					Inc	dustrial					
Route of		A	Acute		Acut	e		Chro	nic	Chro	onic
exposure:		effe	ect local	е	effect sys	temic		effect l	ocal	effect sy	/stemic
Oral		-		-			-			-	
Inhalation		-		-			-			-	
Dermal	Dermal		-			-			-		
Critical phys	sical para	ameters: s	solubility, fla	mmak	oility, cor	rosivity:		-			
				ı	Coı	nsumer	ı				
Route of			Acute		Acute		Chronic			Chro	
exposure:		effe	ect local	effect sys		temic		effect local		effect systemic	
Oral		-		-			-			-	
Inhalation		-		-	-		-			-	
Dermal		-		-			-			-	
PNEC						T					
Environmen	ital prote	ection tar	get			PNEC					
Fresh water						No infor	matior	n availabl	е		
Freshwater	sedimen	ts				No information available					
Marine wate	er					No information available					
Marine sedi	ments					No information available					
Food chain					No information available						
Microorgan	isms in s	sewage tr	eatment		No information available						
Soil (agricul	tural)				No information available						
Air						No infor	matior	n availabl	е		
8.2.	Exposu	re contro	ls								
8.2.1.	Approp	riate eng	ineering cor	ntrols							
	measures to prevent exposure		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.								
	Structu exposu		ires to preve	ent	No information available						



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

SECTION 9. Physical and chemical properties						
9.1.	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	No information available			
	Colour:	orange brown	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			



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	Lover and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	1.0 – 1.7	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.				

SECTION 11. Toxi	SECTION 11. Toxicological information							
11.1. Information	n on toxicological effects							
Acute toxicity:								
Route of exposure:	Method	Species	Effective dose LD_{50}/LC_{50} or $ATE_{mixture}$	Exposure time	Results			
Oral exposure:	No information available	-	LD ₅₀	-	-			
Dermal exposure:	No information available	-	LD ₅₀	-	-			
Inhalation exposure:	No information available	-	LC ₅₀	-	-			



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Specific	target organ toxicit	y – single expo	sure (STOT SE):	•		
	Spe	ecific effects		Target organ	1	N
Oral exposure: No informa		ation available	No infor	mation availab	ole	-
Dermal exposure	e: No informa	ation available	No infor	mation availab	ole	-
Inhalation expos	ure: No informa	ation available	No infor	mation availab	ole	-
Respira	tory irritation:	No	information a	vailable		
Irritatio	n and corrosion					
	Exposure tim	e Specie	es Eva	aluation	Method	١
Skin irritation:	-	-	-		-	-
Eye irritation:	-	-	-		-	-
Sensitiz	ation					
Dermal exposure	e: No information	available				
Inhalation	No information	available				
exposure:						
Cympto	ms related to the ph	weical chamica	l and toyicolog	nical characteri	ctics	
Oral exposure:	No information		ii and toxicolog	gical Characteri	311C3	
Orai exposure.	NO IIIIOIIIIauoii	avaiiabie				
Dormal ovnosure	No information	available				
Dermal exposure	e: No information	available				
Dermal exposure Inhalation exposure:	No information					
Inhalation		available				
Inhalation exposure:	No information	available				
Inhalation exposure: Eye exposure:	No information	available available	nic, chronic)			
Inhalation exposure: Eye exposure:	No information	available available	nic, chronic) Species	Method	Evaluation	n N
Inhalation exposure: Eye exposure:	No information No information ed dose toxicity (sub	available available acute, subchroi	<u> </u>	Method No informatio n available	Evaluation No inform	
Inhalation exposure: Eye exposure:	No information No information ed dose toxicity (sub Dose No information	available available acute, subchroi Exposure time No information	Species No information	No informatio	No inform	nation -



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Subchronic oral	No i availa	information ble	No information available	No infoi avail	rmation able	No informatio n available	No infor available		-
Subchronic dermal	ubchronic No information in:		No information available		rmation able	No informatio n available	No infor		-
Subchronic inhalation			No information available	formation infor		No informatio n available	No infor		-
Chronic oral	No i availa	information ble	No information available	No infoi avail	rmation able	No informatio n available	No infor		-
Chronic dermal		No information information info		No infoi avail	rmation able	No informatio n available	No infor available		-
Chronic inhalation	No i availa	information ble	No information available	No infor avail	rmation able	No informatio n available	No infor available		-
Specific	target	organ toxicit	y – repeated e	xposu	re (STOT	RE):		1	
		Spe	cific effects			Target organ			Note
Subacute oral			ntion available				-		
Subacute derma			ntion available					-	
Subacute inhalat	ion		tion available				-		
Subchronic oral	1		tion available				-		
Subchronic dern Subchronic inha			ation available			mation availab mation availab		-	
Chronic oral	alion		ation available			mation availab		_	
Chronic dermal			ation available			mation availab		_	
Chronic inhalation	n		tion available			mation availab		-	
		<u>i</u>							
CMR ef	fects (ca	arcinogenicit	y, mutagenicity	y, repr	oductive	toxicity)			
Carcino	genicity	/ :	No info	No information available					
Mutage	nicity <i>ir</i>	n-vitro:	No info	No information available					
Genoto	xicity:		No info	No information available					
Mutage	nicity <i>ir</i>	n-vivo:	No info	rmatio	on availab	le			
Germ c	ell muta	genicity:	No info	rmatio	on availab	le			
	Reproductive toxicity:								



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Trading name:	COLLOIDAL IRON, STOCK SOLUTION						
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	Summary of evaluation of the CMR properties: -
11.2	Information on other hazards:
11.2.1.	Endocrine disrupting properties:
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
11.2.2.	Other informations:
	-

SECTION 12. Ecol	ogical informa	ition				
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 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	IC ₅₀	72 hours	No information	No information	_	_

available

information

available

72 hours

 IC_{50}

plants



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Trading name:				COLL	OIDAL IRON, S	STOCK SOL	UTION			
Produc	ct code	:	KOL-OT-X*	*	Dat	te of compilatio	n: 21 Dec	2022	Versior	ո: 3
Other o	organisr	ms	_	-	-	-		-	-	
12.2.	Persis	tence	and degrada	bility						
	Abioti	ic deg	gradation							
		D	egradation ha	lf-lives		Method		Evaluation	l	Note
Marine water		No i	information a	vailable	No info	ormation available	e No inform	nation avai	lable	-
Fresh w	/ater	No i	information av	vailable	No info	ormation available	e No inform	nation avai	lable	-
Air		No i	information av	/ailable	No info	ormation available	e No inform	nation avai	lable	-
Soil		No i	information av	/ailable	No info	ormation available	e No inform	nation avai	lable	-
	-									
	Biode	grada	ation		1			**		
% Deg	radatio	n	Time (day	/s)	N	Лethod	Evaluatio	n	No	ote
No info availabl			No infor vailable	mation					No information available	
12.3.	Bioaco									
			lative potenti							
	Partiti	ion co	pefficient: n-o	ctanol/w	- 					
Valu	Partiti e	ion co	pefficient: n-o		vater (log k	Method	Evalua		N	Note
	Partiti e	ion co	pefficient: n-o centration information	ctanol/w	- 		Evalua No inform available		-	Note
	Partiti e	ion co Con No	pefficient: n-o centration information	ctanol/w	- 	Method No information	No inform			Note
	Partiti e	ion co Con No	pefficient: n-o centration information	ctanol/w	- 	Method No information	No inform			Note
	Partiti e n a	Con No Noavaila	centration information ble	pH -	- 	Method No information	No inform			Note
Valu	Partiti e N a	Con No Noavaila	pefficient: n-o-o-ocentration information ble	pH - (BCF)	°C	Method No information available	No inform available	nation	-	
Valu	Partiti e Rioco /alue	Con No availa	pefficient: n-or centration information ble tration factor	pH - (BCF)	°C	Method No information available Method mation	No inform	ion	-	Note
Valu - V	Partiti e Rioco /alue	Con No availa	pefficient: n-o-o-ocentration information ble tration factor Specie	pH - (BCF)	°C - No infor	Method No information available Method mation	No inform available Evaluat	ion	- No inform	Note
Valu - V	Partiti e Name	con con Con No availa	centration information ble tration factor Specie No information	pH - (BCF)	°C - No infor	Method No information available Method mation	No inform available Evaluat	ion	- No inform	Note
Valu - V	Partiti e Name	con con Con No availa	pefficient: n-o-o-ocentration information ble tration factor Specie	ctanol/w pH - (BCF) s rmation	°C - No infor available	Method No information available Method mation	No inform available Evaluat	ion	- No inform	Note
Valu - V	Partiti e Name	Con No availa	centration information ble tration factor Specie No information	pH - (BCF) s	°C - No infor	Method No information available Method mation	No inform available Evaluat	ion	No inform	Note



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			information available	informa availabl		n available				
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No information available	No informa availabl		n No inforr available	nation _			
12.4. N	Mobility in so	il								
	Known or predicted distribution in environmental compartments:									
	lo informatio				<u></u>					
S	urface tensic	on:								
	Value	°C	Concent	ration	Method	b	Note			
iı	lo nformation vailable	No informat available	ion No informati available	on N	No information av	ailable	-			
A Transport		desorption /D coefficient nry's constant	log Ko	w Ev	vaporation rate	Method	Note			
Soil-water		mation availabl	No informa on availabl	avail	nformation able	No information available	n -			
Water-air	Water-air No information available		No informa on availabl	avail	nformation able	No informatio available	n -			
	No infor	No information available		iti No i avail	nformation able	No information	n -			

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.6. Endocrine disrupting properties



Trading name:

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COLLOIDAL IRON, STOCK SOLUTION

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	accordin		ot contain components considered to have endocrine disrupting properties f) or Commission Delegated regulation (EU) 2017/2100 or Commission yels of 0.1% or higher.
12.7.	Other ad	verse effects	
	No infor	mation available	
SECTIO	ON 13. Dis	posal considerations	
13.1.	Waste	treatment methods	
13.1.1.		t/Packaging disposal:	
	Submit Protect		gal person authorized by the Ministry of Environmental and Nature
13.1.2.		codes/waste designati	ons according to Law:
	No info	ormation available	
13.1.3.		treatment – relevant ir	nformation:
	No info	ormation available	
12.1.4	C	- diamanal malaman in	forms the second
13.1.4.		e disposal – relevant in	
	waste	must not be disposed	of into the sewage system.
13.1.5.	Other (disposal recommendat	ions:
15.1.5.		•	ct's remains into the sewage system. Submit the remains to the collectors
	authori the pac	zed by the ministry in	charge. Do not dispose of the packaging into the sewage system. Submit are authorized by the ministry in charge. Do not dispose of in places where
13.1.6.	Relevai	nt Community provisio	ons:
	-		
SECTIO		nsport information	
		ting/shipment by road	
UN nu			Not subject to transport regulations.
	oper shippi		-
······	ort hazard	class(es):	-
Packin	g group:		-



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Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	lD)
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:	-
Special precautions for user:	
Transporting/shipment by sea (II	MDG)
	MDG) Not subject to transport regulations.
Transporting/shipment by sea (II	
Transporting/shipment by sea (II UN number:	Not subject to transport regulations.
Transporting/shipment by sea (II UN number: UN proper shipping name:	Not subject to transport regulations.
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es):	Not subject to transport regulations
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group:	Not subject to transport regulations.
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous:	Not subject to transport regulations.
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user:	Not subject to transport regulations.
Transporting/shipment by sea (III UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC)	Not subject to transport regulations. CAO-TI/IATA-DGR)
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number:	Not subject to transport regulations. Not subject to transport regulations.
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name:	Not subject to transport regulations. Not subject to transport regulations. AO-TI/IATA-DGR) Not subject to transport regulations
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name: Transport hazard class(es):	Not subject to transport regulations. Not subject to transport regulations. CAO-TI/IATA-DGR) Not subject to transport regulations
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name: Transport hazard class(es): Packing group:	Not subject to transport regulations. Not subject to transport regulations
Transporting/shipment by sea (II UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous:	Not subject to transport regulations. Not subject to transport regulations

SECTION 15. Regulatory information

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



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	EU regulations	
	Authorization and/or restri	ctions of use
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (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)	9/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessmen	t
	None	

SECTION 16. Other information		
16.1. Indication of changes:	-	



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16.2.	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 used 1272/2008 (CLP)	I to derive the classification for mixture according to Regulation (EC)	
Classifi	ication	Classification procedure	
-		-	
16.5.	Relevant H statements (number a	nd 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.	

A	N	П	N	П	F	¥	4	
$\boldsymbol{-}$	U D	ч	ш	ч	_	$\boldsymbol{\Lambda}$	١.	

Exposure scenario resulting to Chemical safety assessment

-



SAFETY DATA SHEET

amended by Regulation (EU) No. 2020/878

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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	.2 Relevant identified uses of the substance or mixture and uses advised against		nixture and uses advised against		
	Uses:		For use	with special staining kits.	
	Uses advised against:		Only the	identified uses are advised.	
	Reason why uses advi	dvised against: device, registered at the Agen		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 shee	t	
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@b	oiognost.hr	
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection ar	nd Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

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



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Trading name:		FUCHSIN ACID VAN GIE	GIESON REAGENT		
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	Signal word:	-		
	Hazard statements:	-		
	Precautionary statements:	-		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	Endocrine Disrupting Propert	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. Con	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	

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:	-



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Trading name:	FUCHSIN ACID VAN GIESON REA				
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 i	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 f	ull jet			
5.2	Special hazards arising from the substance or m	ixture			
	Hazardous combustion products: no informati	on available			
5.3	Advice for firefighters				
	Use a self-contained open-circuit compressed a	r breathing apparatus and fireproof clothing.			
5.4	Additional information				
	Cool endangered receptacles with water spray. Contaminate the environment with extinguishing	Collect contaminated fire fighting water separately. Do not g media.			

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



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Trading name:		FUCHSIN ACID VAN GIE	SON 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	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	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 incom	patibilities	
	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	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 .



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

SECTION 8. Expos	ure contr	ols/perso	nal pr	rotect	ion				
8.1 Control pa	rameters								
					Оссі	upational	exposure limit		
Substance		CA	S No	-	val	ues/short	term values		Biological limit values
					ŗ	opm	mg/m³		
-			-			-	-	-	
	-								
Substance name:	-								
EC No:	-	CAS No	:	-					
DNEL									
					Ind	lustrial			
Route of	Acı	ıte		Acute	е		Chronic		Chronic
exposure:	effect	local	effe	ct syst	temic		effect local		effect systemic
Oral	-		-			-		-	
Inhalation	-		-			-			
Dermal	-		-			-			
Critical physical par	ameters:	solubility,	flamm	nability	y, corı	rosivity:	-		
					Cor	nsumer			
Route of		cute		Acute			Chronic		Chronic
exposure:	effec	t local	effe	ct sys	temic		effect local		effect systemic
Oral	-		-			-		-	
Inhalation	-		-			-			
Dermal			-						
PNEC									
Environmental prot	ection tar	get				PNEC			
Fresh water							nation available		
Freshwater sedime	nts					no inform	nation available		
Marine water						no inform	nation available		
Marine sediments						no inform	nation available		



Food chain

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no information available

Microorga	anisms in sewage treatment		no information available
Soil (agric	:ultural)		no information available
Air			no information available
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 prever exposure:	nt	Organization of work in order to reduce other worker's influence during work process.
	Technical measures to prevent exp	osure:	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:	levels o	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.
8.2.2.2.	Skin protection		
	Hand protection:	-	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 t impern	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.
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



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

In	formation on basic physical and	chemical properties		
		Value	Method	
Pl	nysical state:	liquid	No information available	
C	olour:	red	No information available	
0	dour/odour threshold:	no information available/no information available	No information available	
Μ	lelting point / freezing point:	No information available	No information available	
	oiling point or initial boiling oint and boiling range:	No information available	No information available	
FI	ammability:	No information available	No information available	
Lo	over and upper explosion limit:	No information available	No information available	
Fl	ash point:	No information available	No information available	
Α	uto-ignition temperature:	No information available	No information available	
D	ecomposition temperature:	No information available	No information available	
pl	H:	No information available	No information available	
Ki	nematic viscosity:	No information available	No information available	
So	olubility:	No information available	No information available	
	artition coefficient n- ctanol/water (log value):	No information available	No information available	
V	apour pressure:	No information available	No information available	
D	ensity and/or relative density:	No information available	No information available	
Re	elative vapour density:	No information available	No information available	
Pa	article characteristics:	No information available	No information available	
0	ther 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 Inform	ation on haz	zard classes	as defined in	n Regula	ation (EC) No 12	272/20	800		
Acute 1	toxicity:								
Route of exposure:	М	ethod	Species	Dos	e LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure tir		ne	Results
Oral:	No inf availat	ormation ole	-	No ir availa	nformation able		-		-
Dermal:	No inf availat	ormation ble	-	No ir availa	nformation able		-		-
Inhalation:	No inf availat	ormation ble	-	No ir availa	nformation able		-		-
Specifi	c target org	an toxicity –	single expo	sure (ST	OT SE):				
		Specific	effects		Target organ				Note
Oral:	No inf	ormation av	ailable		No information available			-	
Dermal:	No inf	ormation av	ailable		No information available -		-		
Inhalation:	No inf	ormation av	ailable		No information	n availa	able	-	
Aspirat	tion hazard:		No	o inform	ation available.				
			3						
Irritatio	on and corro	sion							
		Exposure t	ime	Specie	es Evalua	tion	Method		Note
Skin corrosion/irritat	ion:		-		-		-	-	
Serious eye damage/irritatio	on -		-		-		-	-	
Sensiti	zation								
Skin sensitizatio	n:	No inforr	nation availa	able.					
Respiratory sens	sitization:	No inforr	nation availa	able					



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

Oral exposure.	Oral exposure: Harmful if sw		allowed.				
Dermal exposure	:	Harmful if ab	sorbed throug	ıh skin. May cau	use skin irritation		
Inhalation expos	ure:	Harmful if inl	naled. May cau	ıse respiratory t	ract irritation.		
Eye exposure:		May cause ey	e irritation.				
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chronic)			
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral		information lable	No information available	No information available	No information available	No information available	–
Subacute dermal		information lable	No information available	No information available	No information available	No information available	-
Subacute inhalation		information lable	No information available	No information available	No information available	No information available	-
Subchronic oral		information lable	No information available	No information available	No information available	No information available	-
Subchronic dermal	No avai	information lable	No information available	No information available	No information available	No information available	_
Subchronic inhalation		information lable	No information available	No information available	No information available	No information available	-
Chronic oral		information lable	No information available	No information available	No information available	No information available	_
Chronic dermal		information lable	No information available	No information available	No information available	No information available	-
Chronic inhalation		information lable	No information available	No information available	No information available	No information available	-



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Trading name:	F	UCHSIN ACID VAN GIES	SON REAGENT		
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Subacute o	ral	No information available			No information available	-		
Subacute d	lermal	No information available			No information available	-		
Subacute ir	nhalation	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 ora	al	No information available			No information available	-		
Chronic de	rmal	No information available			No information available	-		
Chronic inh	nalation	No information available			No information available	-		
CN	MR effects (c	arcinogenicity; mutagenicit	y; re	productive t	oxicity)			
Ca	arcinogenicit	y:	Bas	sed on availa	ble data, the classification o	criteria are not met.		
М	Mutagenicity in vitro:		Bas	sed on availa	ble data, the classification o	criteria are not met.		
Ge	Genotoxicity:		Bas	Based on available data, the classification criteria are not met.				
М	utagenicity <i>ii</i>	n vivo:	Based on available data, the classification criteria are not met.					
Ge	erm cell muta	agenicity:	Based on available data, the classification criteria are not met.					
Re	eproductive t	oxicity:	Bas	sed on availa	ble data, the classification o	criteria are not met.		
	ummary of operties:	evaluation of the CI	MR	Based on a met.	available data, the classific	ation criteria are not		
11.2 In	formation or	other hazards:						
11.2.1. En	ndocrine disr	upting properties:						
co dis Ar res Re	omponents c srupting pro ticle 57(f) gulation (EU	e/mixture does not cont onsidered to have endocr operties according to REA or Commission Delegar 1) 2017/2100 or Commiss 1) 2018/605 at levels of 0.1%	ine CH ted ion					
11.2.2. Ot	ther informat	tions:						

SECTION 12. Ecologic	cal informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note



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Trading name:	F	UCHSIN ACID VAN GIES	SON REAGENT		
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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	-
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

	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	-

О:	-	-1	_			-1	_		O	
к	\sim	$\boldsymbol{\alpha}$	Δ	\mathbf{n}	\mathbf{c}	$\boldsymbol{\alpha}$	2	TΙ	\sim	n

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



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Trading name:					FUCHSIN ACID VAN GIESON REAGENT							
Produc	ct code:	FAG	G-OT-X**		Date	of co	mpilati	on: 21 De	ec 2022	١	Version:	6
12.2	Б.	1										
12.3			potential		(log Kow	`						
Valu		water p oncenti	partition co	рН	°C		ethod	Evalu	ation		Note	
- vaiu	-	oncenti		•		-	etriou	- Evalu	ation		Note	
								_				
	<u> </u>											
	!			<u> </u>								
	Bioconce	ntratio	n factor (B	CF)								
V	'alue		Specie	S	١	Method	d	Evaluati	on		Note	
	rmation	No		ormation	No info		on	No informati	on	_		
availabl	le	avail	lable		availab	le		available				
	Chronic	ecotoxi	city									
	I .	COTOXI	City	Fxr	osure							
	Value		Dose	_ : .	ime	Sp	ecies	Method	Evalu	ation	Note	
				No		No		No	No			
Chronic	toxicity o	n fish	LC ₅₀		information available		mation	information available	inform availab		_	
				No			abic	No	No			
	toxicity o ea (<i>Daphn</i>		EC ₅₀		mation	1	mation	information	inform	ation	_	
Clustact	са (Баріііі			avail	able	availa	able	available	availab	le		
10.1												
12.4	Mobility											
		······	cted distrik available	oution in (environm	nental (compart	ments:				
	Surface t											
					oncentra	ation		Method			Note	
							**************************************				INOLE	
	informat	ion i	nformatio	n i		tion			-			
	available	ā	available	avo	anable		avallat	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
		<u></u>										
		ion i	°C No nformatio available	n No	oncentra informa ailable		No inf availab	Method ormation ble	-		Note	



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

	Adsorption / desorption							
Transport	A/D coefficient t 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	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	-			
	Results of PBT and vPvB asse		onents considered to	n have endocrine d	isrunting properties			
3	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.							
12.6. I	Endocrine disrupting propert	ies						
(The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.							
12.7	Other adverse effects							
	No further relevant informati	on available.						
SECTION	I 13. Disposal consideration	S						
13.1	Waste treatment methods							
	Dradust/Dackgaing disposal:							
13.1.1.	Product/Packaging disposa	l:						
13.1.1.	Product/Packaging disposal Submit for disposal to the I Protection.		rized by the Ministr	y of Environmental	and Nature			
13.1.1.	Submit for disposal to the I	egal person autho		y of Environmental	and Nature			
	Submit for disposal to the I Protection.	egal person autho	D Law:					
	Submit for disposal to the I Protection. Waste codes/waste designated to the I Protection.	egal person autho ations according to ontains residual ha	D Law:					
13.1.2.	Submit for disposal to the I Protection. Waste codes/waste designated to the I Protection. 15 01 10*: Packaging that consults and the I Protection.	egal person autho ations according to ontains residual ha	D Law:					



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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 recommendat	tions:			
Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge.				
Relevant Community provisions:				
Disposal must be made acco	rding to official regulations.			
I 14 TRANSPORT INFORMAT	ION			
Transporting/shipment by roac	(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)			
per:	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 recommendated 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: Ber shipping name: It hazard class(es): In group: Ber shipping name: It hazard class(es): Ber shipping name: Inland waterway transport (AD per: Ber shipping name: It hazard class(es): Ber shipping name: It hazard class(es):			



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Trading name:		FUCHSIN ACID VAN GIE	SON 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 (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: -	

.1 Safety, health and envi	onmental regulations/legislation specific for the substance or mixture					
EU regulations	EU regulations					
Authorization and/or re	estrictions 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

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

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Trading name:		FUCHSIN ACID VAN GIE	SON 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	SECTION 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)		
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.		

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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Trading name:	HCL REAGENT, COLLOIDAL IRON			
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2

SECTI	ON 1: Identification of	the substan	ce/mixture a	and of the company/undertaking
1.1.	Product identifier			
	Trading name:	HCL REAG	ENT, COLLOI	DAL IRON
	Chemical name:	-		
	Catalogue number:	HCLK-OT-	HCLK-OT-X**	
1.2.	Relevant identified us	es of the sub	of the substance or mixture and uses advised against	
	Uses:		For use wi	th Colloidal Iron kit.
	Uses advised against:		Only the id	dentified uses are advised.
	Reason why uses advi			ict is intended for use only as an <i>in vitro</i> diagnostic evice, registered at the Agency for Medicinal Products and evices and there is no reason to use it for other purposes
1.3.	Details of the supplier	of the safety	y data sheet	
1	G 1.	BioGnost Ltd.		
	Supplier:	E	BioGnost Ltd.	
	Supplier: Address:		BioGnost Ltd. Medjugorska	59, Zagreb
		ı		
	Address:	-	Medjugorska	97
	Address: Telephone number:	-	Medjugorska +385 1 24099	97 39
	Address: Telephone number: Fax no.:	-	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39
1.4.	Address: Telephone number: Fax no.: e-mail of competent p	Derson:	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39
1.4.	Address: Telephone number: Fax no.: e-mail of competent p National contact:	person:	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39
1.4.	Address: Telephone number: Fax no.: e-mail of competent p National contact: Emergency telephone	person:	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39 ost.hr

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



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Trading name:	HCL REAGENT, COLLOIDAL IRON			
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2

	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. 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	ON 4. First aid measures	ECTION 4. First aid measures			
4.1.	Description of first aid measu	res			
	General notes:	-			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	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	ler: Treat symptomatically.			
4.2.	Most important symptoms ar	nd effects, both acute and delayed			
	Following inhalation:	No information available			
	Following skin contact:	No information available			
	Following eye contact:	No information available			



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Trading name:	HCL REAGENT, COLLOIDAL IRON			-
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2

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

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

SECTIO	SECTION 6. Accidental release measures					
6.1.	Personal precautions, 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.				



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Trading name:		HCL REAGENT, (Γ, COLLOIDAL IRON			
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2		

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

SECTION 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 generation	n: Sec	Secure proper ventilation.			
	Measures to protect the environment:		vent spilling into the sewage system and terways.			
	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 ventilated storage rooms, and away from sources of sunlight, and other incompatible substances.				
			anufacturer's original packaging.			
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.				
	Advices for storage equipment:	be resist	age must be made of hard material; floors must cant to chemicals. There must be no drain that leads into sewage system. Secure proper on.			
	Further information on storage conditions:	and do r	not place the unused material in the storage room d do not use empty containers for storing other emicals. Do not store with incompatible materials (see ction 9).			
7.3.	Specific end use(s)					



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effect systemic

Trading name:		HCL REAGENT, COLLOIDAL IRON						
Product code: HCLK-C		DT-X**	Date of compilation:		14 November 2022		Version: 2	
Recomn	nendations:			-				
Industria	l sector spe	ecific solution	ns:	-				
SECTION 8 Expe	osure conti	rols/nersona	l protec	tion				
	posure controls/personal protection ol parameters							
Substan	Substance		CAS No		Occupational exposure limit values/short term values		Biological limit values	
				ppm	mg/m³			
-		-	-		-	No informa	tion available	
Substance - name:								
EC No: -		CAS No: -						
DNEL								
				Industrial				
Route of exposur	ο.	Acute ect local effe		Acute ect systemic	Chronic effect local		Chronic effect systemic	
Oral -			-		-	-		
Inhalation	-		-		-	-		
Dermal -			-		-	-		
Critical physical p	arameters:	solubility, fla	mmabilit	ty, corrosivity:	-			
				Consumer				
	e:	Acute		Acute	Chror	nic	Chronic	

Dermal **PNEC**

Oral

Inhalation

effect local

THE CONTRACTOR OF THE CONTRACT				
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			

effect systemic

_

effect local

_



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Trading name:		HCL REAGENT,	COLLOIDAL IRON	
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2

Air			No information available		
8.2.	Exposure controls				
8.2.1.	Appropriate engineering	controls	5		
	Substance/mixture related measures to prevent expos during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to presposure:	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 prexposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equi	pment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) o visor.			
8.2.2.2.	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:		Vear antistatic clothing made of natural fibers (such as cotton) with longleeves (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a for organic vapors, type "A" (boiling point >65°C) acording to EN ') used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No int	formation available		
8.2.3.	Environmental exposure	controls			
	Substance/mixture relate measures to prevent exp		See Section 6		
	Structural measures to prescribe exposure:	revent	Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to pr exposure:	event	See Section 6		

SECTION 9. Physical and chemical properties



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Trading name:	HCL REAGENT, COLLOIDAL IRON			
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2

	Value	Method
Physical state:	liquid	No information available
Color:	colourless	No information available
Odour/odour threshold:	no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lover and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
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

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

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



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Trading name:		HCL REAGENT, (COLLOIDAL IRON	
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2

Acute toxic	ity:					
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure	time	Results
Oral exposure:	No information available	-	LD ₅₀	_		-
Dermal exposure:	No information available	-	LD ₅₀	-		-
Inhalation exposure:	No information available	-	LC ₅₀	-		_
Specific tar	get organ toxicity – si	ingle exposure (S	STOT SE):			
	Specif	ic effects	Target	organ		Note
Oral exposure:	No information	available	No information	on available	-	
Dermal exposure:	No information	available	No information	on available	-	
Inhalation exposure	: No information	available No information available				
illiaiation exposure	. INO INIOTHIALION	available	No information	on available	-	
Aspiration			No information	on available	-	
Aspiration	hazard: nd corrosion:	No inform	mation available		-	
Aspiration Irritation ar	hazard: nd corrosion: Exposure time	No information of the second o	mation available Evaluation	Method		Note
Aspiration Irritation ar Skin irritation:	hazard: nd corrosion: Exposure time -	No information Species	mation available Evaluation	Method		Note
Aspiration Irritation ar	hazard: nd corrosion: Exposure time	No information of the second o	mation available Evaluation	Method		Note
Aspiration Irritation ar Skin irritation:	hazard: nd corrosion: Exposure time -	No information Species	mation available Evaluation	Method		Note
Aspiration Irritation ar Skin irritation: Eye irritation:	hazard: nd corrosion: Exposure time -	Species -	mation available Evaluation	Method		Note
Aspiration Irritation ar Skin irritation: Eye irritation: Sensitization	hazard: nd corrosion: Exposure time	Species lable	mation available Evaluation	Method		Note
Aspiration Irritation ar Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time No information avail	Species lable	Evaluation -	Method		Note
Aspiration Irritation ar Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms	hazard: nd corrosion: Exposure time No information avail	Species lable lable	Evaluation -	Method		Note
Aspiration Irritation ar Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	hazard: nd corrosion: Exposure time No information avail No information avail	Species lable lable al, chemical and tovailable	Evaluation -	Method		Note
Aspiration Irritation ar Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time No information avail related to the physica No information avail No information avail	Species lable lable al, chemical and tovailable vailable	Evaluation -	Method		Note



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Trading name:	HCL REAGENT, COLLOIDAL IRON				
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	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	_
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	_
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

Specific target	organ toxicity – repeated exposu	ure (STOT RE):	
	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	<u> </u>
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-



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Trading name:	HCL REAGENT, COLLOIDAL IRON				
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Chronic	inhalation	No informa	tion available	No information available	-			
	CMR effects ((carcinogenicity	; mutagenicity; repr	oductive toxicity)				
	Carcinogenic	ity:	Based on availa	ble data, the classification criteria a	are not met.			
	Mutagenicity	in-vitro:	Based on availa	ble data, the classification criteria a	are not met.			
	Genotoxicity:		Based on availa	ble data, the classification criteria a	are not met.			
	Mutagenicity	in-vivo:	Based on availa	Based on available data, the classification criteria are not met.				
	Germ cell mu	tagenicity:	Based on available data, the classification criteria are not met.					
	Reproductive	toxicity:	Based on available data, the classification criteria are not met.					
	Summary of e	evaluation of th	e CMR properties:	-				
11.2.	Information of	on other hazard	s:					
11.2.1.	Endocrine dis	rupting proper	ties:					
	No known endocrine disrupting properties that affect human health.							
11.2.2.	Other inform	ations:						
	_							

SECTION 12. Ecological information

1 2 1	Toxicity	
12.1.	LOXICITY	

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



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_	ne:			Н	CL REAGENT,	COL	LOIDAL IRO	N			,
Product code:		HCLK-OT-X**		Date of compilation:		14	4 November	2022	2 Version:		2
Algae/aquatic plant		ts IC ₅₀ 72 hou		rc	ns No information available		availahla		o formation - vailable		
Other organis	sms	-	-	-		-		-		-	
12.2. Persi	stence a	and degradal	oility								
Abio	tic degra	adation		1			1			1	
	Deg	gradation ha	lf-lives		Method		Ev	aluation			Note
Marine water	No in	formation av	ailable	No in	formation availa	ble	No informat	ion avail	able	-	
Fresh water	No in	formation av	ailable	No in	formation availa	ble	No informat	ion avail	able	-	
Air	No in	formation av	ailable	No in	formation availa	ble	No informat	ion avail	able	-	
Soil	No in	formation av	ailable	No in	formation availa	ble	No informat	ion avail	able	-	
Biode	egradati on	ion Time (day	s)		Method		Evaluation	***************************************	ſ	Note	
No informatic available	on No		mation	No information available					No information available		
		tive potentia									
Octa	nol-wate	er partition o	oefficien				Evaluati	0.0		Note	
Octa Value	nol-wate	er partition of entration information		t (log Ko	Method No informatio	on	Evaluati No informat available		-	Note	,
Octa Value	nol-wate Conce No ir availabl	er partition of entration information	pH	°C	Method No information	on	No informat		-	Note	
Octa Value	nol-wate Conce No ir availabl	er partition of entration information e	pH - BCF)	°C	Method No information	on	No informat	ion		Note	:



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	Value		Dose	Exposure time	Spe	ecies	Met	hod	Evaluation	n Not
Chronic toxicity on fish		LC ₅₀	information	No information available		No n information available		No information available	-	
	c toxicity c		EC ₅₀	information	No inforn availa	nation ble	No informa availab		No information available	-
12.4.	Mobility	in soil								
	Known c	or predict	ed distributi	on in environme	ntal c	ompartı	ments:			
	No infor	mation a	vailable							
	Surface	tension:								
	Value	e	°C	Concentrati	on		Metho	od		Note
	No informat available		o formation vailable	No information	on	No info	ormation ble	n _		
Transpo	ort	ion / deso A/D coe Henry's c	efficient	log Kow	Ev	aporatio	on rate	Me	ethod	Note
Soil-wa	ater No ava	i ilable	nformation	No information available		inform ailable	ation	No info availabl	rmation e	_
Water-	air No ava	i ilable	nformation	No information available	n No informa available		ation No information available			_
Soil-air	. No ava	i ilable	nformation	No informatior available	tion No inform		ation	No info availabl	rmation e	-
12.5.			d vPvB asses	sment						
	No infor	mation a	vailable							
12.6.	Endocrir	ne disrupt	ting properti	es						
		•		ng properties the	at affe	ect the e	environn	nent.		
	I			<u> </u>						
12.7.	Other a	dverse ef	fects							
	NI I	orco offoc	cts are expec	tod						



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Trading name:	HCL REAGENT, COLLOIDAL IRON				
Product code:	HCLK-OT-X**	Date of compilation:	14 November 2022	Version: 2	

SECTION	I 13. Disposal considerati	ons				
13.1.	Waste treatment method	ds				
13.1.1.	Product/Packaging dispo	ocal·				
13.1.1.		le legal person authorized by the Ministry of Environmental and Nature				
	Protection.	ie legal person dutilonzed 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					
	i					
13.1.4.	Sewage disposal – releva	nnt information:				
	Waste must not be dispo	osed of into the sewage system.				
13.1.5.	Other disposal recomme	ndations:				
	authorized by the minist	product's remains into the sewage system. Submit the remains to the collectors stry in charge. Do not dispose of the packaging into the sewage system. Submit pollectors authorized by the ministry in charge. Do not dispose of in places where				
13.1.6.	Relevant Community pro	ovisions:				
	-					
	i					
SECTION	I 14. Transport informati	on				
	Transporting/shipment by	road (ADR)				
UN numb	per:	Not subject to transport regulations.				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing group:		-				
Environmentally hazardous:		-				
Special p	recautions for user:	-				
	Transporting/shipment by	rail (RID)				
UN numb	oer:	Not subject to transport regulations.				
UN prop	er shipping name:	-				



Trading name:

Further information:

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

HCL REAGENT, COLLOIDAL IRON

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Transport hazard class(es):		-							
Packing group:		-							
Environmentally h		-							
Special precaution	ns for user:	-							
Inland wa	aterway transport (AD	DN)							
UN number:		Not subject to transport	regulations.						
UN proper shippir	ng name:	-							
Transport hazard	class(es):	-							
Packing group:		-							
Environmentally h	azardous:	-							
Special precaution	ns for user:	-	-						
Transpor	ting/shipment by sea	(IMDG)							
UN number:		Not subject to transport regulations.							
UN proper shippir	ng name:	-							
Transport hazard	class(es):	-							
Packing group:		-	-						
Environmentally h	azardous:	-							
Special precaution	ns for user:	-							
Transpor	ting/shipment by air	(ICAO-TI/IATA-DGR)							
UN number:		Not subject to transport regulations.							
UN proper shippir	ng name:	-							
Transport hazard class(es):		-							
Packing group:		-							
Environmentally h	azardous:	-							
Special precaution	C	_							

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

The product is not subject to classification.

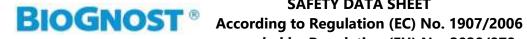


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		Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and
		Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 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;
	Other EU regulations:	Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;
		Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;
		Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 1999 guideline)	9/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessmen	t
	None	

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	_			
10.5.	source of data:				
16.4.	Classification and procedure u 1272/2008 (CLP)	sed to derive the	classification for mixture according to Regulation (EC)		
Classification C		Classification pro	lassification procedure		
		_			



amended by Regulation (EU) No. 2020/878

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Trading name:		HCL REAGENT, COLLOIDAL IRON	
Product code:	HCLK-OT-X**	Date of compilation: 14 November 2022 Version: 2	

16.5.	Relevant H statements (number and full text)		
	H: 314 335	Causes severe skin burns and eye damage. May cause respiratory irritation.	
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



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

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Trading name:	POTASSIUI	M HEXACYANOFERRATE,	OLLOIDAL IRON SOLUTION		
Product code:	KHCK-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

SECTI	ION 1 IDENTIFICATION	OF THE SUE	STANCE/MI	XTURE AND OF THE COMPANY/UNDERTAKING
1.1.	Product identifier			
	Trading name:	me: POTASSIUN		NOFERRATE, COLLOIDAL IRON SOLUTION
	Chemical name:	-		
	Catalogue number:	KHCK-OT-X**		
1.2.	Relevant identified use	es of the sub	stance or mix	cture and uses advised against
	Uses:		For use wi	th Colloidal Iron kit.
	Uses advised against:		Only the i	dentified uses are advised.
	Reason why uses advi	sed against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes	
1.3.	Details of the supplier	Details of the supplier of the safety data sheet		
	Supplier:	I	BioGnost Ltd.	
		Med		
	Address:	ا	Medjugorska	59, Zagreb
	Address: Telephone number:		Medjugorska +385 1 24099	
			, ,	97
	Telephone number:		+385 1 24099	97 39
	Telephone number: Fax no.:	person:	+385 1 24099 +385 1 24040	97 39
1.4.	Telephone number: Fax no.: e-mail of competent p	person:	+385 1 24099 +385 1 24040 msds@biogno	97 39
1.4.	Telephone number: Fax no.: e-mail of competent p National contact:	person:	+385 1 24099 +385 1 24040 msds@biogno	97 39
1.4.	Telephone number: Fax no.: e-mail of competent p National contact: Emergency telephone	person:	+385 1 24099 +385 1 24040 msds@biogno	997 939 post.hr

SECTION 2 HAZARDS INFORMATION						
2.1.	Classification of the substance or mixture					
2.1.1.	Classification (REGULATION (EC) No	Classification (REGULATION (EC) No. 1272/2008 (CLP)				
	Hazard class and category of	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous substance					
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-stat	ements: see S	ection 16			
2.2.	Classification according to EC Direct	ctive Nr. 1272/	(2008 CLP)			
	Product identification:	POTASSIUM I	HEXACYANOFERRATE, COLLOIDAL IRON SOLUTION			
	Identification number: -					
	Authorization no.:	Authorization no.:				
	Hazard pictograms:	_				



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

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Trading name:	POTASSIUM HEXACYANOFERRATE, COLLOID			OIDAL IRON SOLUTION		
Product code:	KHCK-OT-X**	Date of compilation:	21 Dec 2022	Version: 2		

	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	-	

SECTIO	TION 4 FIRST AID MEASURES						
4.1.	Description of first aid measures						
	General notes:	-					
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.					
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.					
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.					
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.					
	Self-protection of the first aider:	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.					
	FOILOWING SKIN CONTACT.	cording to our findings, chemical, physical and toxicological properties of e substance have not been entirely tested.					



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Trading name:	POTASSIUM HEXACYANOFERRATE, COLLOIDAL IRON SOLUTION				
Product code:	KHCK-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

	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: 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.	Do not contaminate the environment with extinguishing media.				

SECTIO	ECTION 6 ACCIDENTAL RELEASE MEASURES					
6.1.	Personal precautions, protective equipment and emergency procedures					
6.1.1.	For non-emergency personne					
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.				
	Emergency procedures: Mark the area using proper signs.					
6.1.2.	For emergency responders:					
	Wear protective equipment (s	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.					



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

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 generat	ion:	Secure proper ventilation.			
	Measures to protect the environment: Other measures:		Prevent spilling into the sewage system and waterways.			
7.1.2.	Advice on general occupational hygiene:		<u> </u>			
1.1.2.	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:	Kee	ep in tightly closed and upright set containers in a well ntilated storage rooms, and away from sources of heat, nlight, 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 dire	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 atilation.			
	Further information on storage conditions:	and che	not place the unused material in the storage room do not use empty containers for storing other emicals. Do not store with incompatible materials (see etion 9).			
7.3.	Specific end use(s)					
	Recommendations:	-				
	Industrial sector specific solutions:	-				



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8.1. Control par	ameters							
Substance					•	exposure limit term values	Biological limit values	
				þ	opm	mg/m³		
-		-			-	-	No information available	
Substance - name:								
EC No: -		CAS No:	-					
DNEL		•	·					
				Ind	ustrial			
Route of	1	Acute		Acute	9	Chronic	Chronic	
exposure:	effe	effect local effect sys		ect syst	temic	effect loca	effect systemic	
Oral	-	-				-	-	
Inhalation						-	-	
Dermal	-		-			-	-	
Critical physical para	meters: s	solubility, fla	ımmabili	ty, corr	osivity:	-		
				Con	sumer			
Route of	/	Acute		Acute	9	Chronic	Chronic	
exposure:	effe	ect local	effe	ect syst	temic	effect loca	al effect systemic	
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			-	-	
PNEC								
Environmental prote	ction tar	get			PNEC			
Fresh water					No information available			
Freshwater sediment	:S				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			
Air					mation availabl			



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8.2.	Exposure controls					
8.2.1.	Engineering measures					
	Substance/mixture related measures to prevent exposure during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
	Structural measures to pr exposure:	event	No information available			
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to pre exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			
8.2.2.	Personal protection equip	ment				
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) or visor.				
8.2.2.2.	Skin protection					
			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 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	ormation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relater		See Section 6			
	Structural measures to pr exposure:	event	Use modern equipment.			
	Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace.			
	Technical measures to pre exposure:	event	See Section 6			

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



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Relative vapour density:	No information available	No information available
Density and/or relative density:	No information available	No information available
Vapour pressure:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Solubility:	No information available	No information available
Kinematic viscosity:	No information available	No information available
pH:	No information available	No information available
Decomposition temperature:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Flash point:	No information available	No information available
Lover and upper explosion limit:	No information available	No information available
Flammability:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Melting point / freezing point:	No information available	No information available
Odour/odour threshold:	no information available	No information available
Colour:	light yellow	No information available

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



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Route of exposure:	Method	Species	Effective do LD ₅₀ /LC ₅₀ c		osure 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		ngle exposure (ic effects	1	et organ		Note
Specific ta	rget organ toxicity – si	,	1	et organ	***	Note
Oral exposure:	No information		available No inform	nation	-	
Dermal exposure:	No information	available	available	iddion	-	
Inhalation exposure	e: No information	available	No inform available	nation	-	
Respirator	y irritation:	No info	rmation availab	le		
	,					
Irritation a	and corrosion					
	Exposure time	Species	Eval	uation	Met hod	Note
Skin irritation:	-	-	-		-	_

	Exposure time	Species	Evaluation	Met hod	Note
Skin irritation:	-	_	-	-	-
Eye irritation:	-	-	-	-	-

Sensitizati	on
Dermal exposure:	No information available
Inhalation exposure:	No information available
Symptoms	s related to the physical, chemical and toxicological characteristics
Oral exposure:	No information available

зуттренти	trated to the physical, chemical and toxicological characteristics
Oral exposure:	No information available
Dermal exposure:	No information available
Inhalation exposure:	No information available
Eye exposure:	No information available



Subchronic inhalation

Chronic oral

No information available

No information available

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<u> </u>	ed dose toxicity (sub Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No informatio available	No information available	No information available	-
Subacute dermal	No information available	No information available	No informatio available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No informatio available	No information available	No information available	-
Subchronic oral	No information available	No information available	No informatio available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No informatio available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No informatio available	No information available	No information available	-
Chronic oral	No information available	No information available	No informatio available	No information available	No information available	-
Chronic dermal	No information available	No information available	No informatio available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No informatio available	No information available	No information available	-
Specific	target organ toxicit	<u> </u>	exposure (ST			N1 - 4 -
Cubacuta aral		Specific effects ation available		Target org No information ava		Note
Subacute oral Subacute dermal		ation available		No information ava		
Subacute dermai		ation available		No information ava		
Subchronic oral		ation available		No information ava		
Subchronic derm		ation available		No information ava		
Cubebrenie inhal		ation available		Nie information ava		

No information available

No information available



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Cilionic	dermal	No informat	tion available	No information available	-
Chronic	inhalation	No informat	tion available	No information available	-
	CMR effects	(carcinogenicity	, mutagenicity, rep	roductive toxicity)	
	Carcinogenic			able data, the classification criteria a	are not met.
	Mutagenicity	-	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	in-vivo:	Based on avail	able data, the classification criteria a	are not met.
	Germ cell mu	ıtagenicity:	Based on avail	able data, the classification criteria a	are not met.
	Reproductive	toxicity:	Based on avail	able data, the classification criteria a	are not met.
	Summary of	evaluation of th	e CMR properties:	_	
	Summary of	evaluation of th	e CMR properties:	-	
11.2	i	evaluation of th		-	
11.2 11.2.1.	Information of		ls:		
	Information of Endocrine dis The substate contain compared to the Endocrine dis Commission 2017/2100 of Endocrine dis Endocrine	on other hazard srupting proper	does not sidered to properties the 57(f) or ulation (EU) Regulation		
	Information of Endocrine distribution of Endocrine distribution contain contai	on other hazard srupting proper ance/mixture inponents con- rine disrupting or REACH Artic Delegated regular or Commission 05 at levels of	does not sidered to properties the 57(f) or ulation (EU) Regulation		

12.1. Toxicity

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



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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 degradation

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

Biodegradation

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

12.3. Bioaccumulative potential

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

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



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Valu	Δ	Species		Ma	thod	Evaluation	No	nto.
No inform available	ation [No informavailable	nation	No inform		No information available		
C	hronic eco	toxicity						
i	Value	Dose		osure ime	Species	Method	Evaluation	Note
Chronic to	xicity on fi	sh LC ₅₀	No infor avail	mation i	No nformation available	No information available	No information available	-
Chronic to crustacea	-	EC ₅₀	No infor avail	mation i	No nformation available	No information available	No information available	-
12.4. N	1obility in s	soil						
		redicted distributi	ion in e	environmer	ntal compart	ments:		
N	o informat	ion available						
S	urface tens	sion:						
	Value	°C	С	oncentratio	on	Method	N	ote
ir	lo Iformation vailable	No information available		informatic ailable	on No inf availab	ormation ole	-	
А	dsorption ,	/ desorption						
Transport	A/[O coefficient ary's constant	lo	og Kow	Evap	oration rate	Method	Note
Soil-water	No availab	information le	No ir availa	nformation able	No inform	nation available	No informatio	n -
	No availab	information le	No information available		No information available		No informatio available	n -
Water-air	avaiiab			able			n available No information available	



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12.5	Describe of DDT and a DaD account
12.5.	Results of PBT and vPvB assessment
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.6.	Endocrine disrupting properties
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7.	Other adverse effects
12.7,	No information available
	TNO IITIOTTIALIOTI available
SECTIO	N 13 DISPOSAL CONSIDERATIONS
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
13.1.3.	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:



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SECTION 14 TRANSPORT INFORMATION	NC
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 (F	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	1)
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	CAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-



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Special precautions for u	ser:	-	
Further information:	-		

SECTI	ON 15 REGULATORY INFO	RMATION
15.1.	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or rest	trictions of use
	Authorizations:	-
	Restrictions:	-
		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;
	Other EU regulations:	Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety
		of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain
	Information according 19 guideline)	dangerous substances, mixtures and articles (Annex XVII); 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	

SECTION 16 Other information	
16.1. Indication of changes:	-



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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 used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)					
Classifi	cation	Classification procedure				
-						
16.5.	Relevant H statements (numbe	r 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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Λ	NI	ы	ᆮ	v	
А	v	IV	_		

Exposure scenario resulting to Chemical safety assessment

-