

HEMATOXYLIN W KIT

The kit contains:

Hematoxylin, Weigert A Ferri reagent, Weigert B



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Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	21 Dec 2022	Version:	5

1.1.	Product identifier				
	Trade name:	HEMATOXYLIN	I, WEIGERT A	4	
	Chemical name:	-			
	Catalogue number:	HEMA-OT-X**			
1.2.	Relevant identified use	s of the substan	ce or mixture	e and uses advised against	
	Uses:		For use ir	n special staining kits.	
	Uses advised against:		Only the	identified uses are advised.	
	Reason why uses advised against:		medical c	uct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products ical Devices and there is no reason to use it for other .	
1.3.	Details of the supplier of the safety data sheet				
	Supplier:	BioGr	nost Ltd.	st Ltd.	
	Address:	Medj	ugorska 59, i	Zagreb	
	Telephone number:	+385	1 2409997		
	Telefax:	+385	1 2404039)	
	e-mail of competent po	erson: <u>msds</u>	: msds@biognost.hr		
	National contact:	-			
1.4.	Emergency telephone number				
	National Protection an	d Rescue Directo	rate:	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 Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and category code: Hazard statements*:			
	Flam. Liq. 2	H225		
	Skin. Sens. 1	H317		
	Muta. 2	H341		
	Canc. 2	H351		
2.1.2.	Additional information			
	-			
*For fu	II text of Hazard- and EU Hazard-statements:	ee Section 16		
2.2.	Label elements			
	Product identification: HEMATOXY	'LIN, WEIGERT A		



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	Identification number:	-			
	Authorisation number:	-			
	Hazard pictograms:	GHS02 GHS07 GHS08			
	Signal word:	Danger			
	Hazard statements: Precautionary statement:	 H225 Highly flammable liquid and vapor. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P308 + P313 IF exposed or concerned: Get medical advice/attention. 			
	Supplemetal hazard information (EU)	-			
2.3.	Other hazards				
	Endocrine Disrupting Properties:				
	No known endocrine disrupting properties				
	Results of PBT and vPvB as PBT or a vPvB.	ssessment : According to the results of its assessment, this substance is not a			

SECTION 3. Compo	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)			
107-21-1/ 203-473-3/ 603-027-00-1	01-2119456816- 28-xxxx	1- 10 %	ethylene glycol	Acute Tox. 4, H302			
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610- 43-0147	60 – 80 %	ethanol	Flam. Liq. 2, H225			
121-79-9/ 204-498-2/ 607-198-00-3	-	1- 3 %	propyl gallate	Acute Tox. 4, H302 Skin Sens. 1 H317			



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123-31-9/ 204-617-8/ 604-005-00-4	1-3%	hydroquinone	Acute Tox. 4; H302 Skin Sens. 1; H317 Eye Dam. 1; H318 Muta. 2; H341 Canc. 2; H351 Aquatic Acute 1; H400
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SECTI	ON 4. First aid measures			
4.1.	Description of first aid measures			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.		
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.		
	Following skin contact:	Remove contaminated clothing. Thoroughly wash with water for 15 minutes.		
	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 15 minutes with the eyelids held wide open.		
	Following ingestion:	Rinse the mouth thoroughly with water. If the afflicted person is conscious, provide them with large amounts of water. Consult a physician.		
	Self-protection of the first aider	-		
4.2.	Most important symptoms and eff	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	May cause eye irritation and upper respiratory system (stinging sensation, irritation). Bronchoconstriction is possible. Possible symptoms include CNS symptoms such as headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration.		
	Following skin contact:	Defatting, dry skin.		
	Following eye contact:	Splatter may cause discomfort, stinging sensation, conjunctival redness, corneal surface lesions.		
	Following ingestion:	It may lead to occurrence of strong sensation of stinging, headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration. If denaturants are present, dyspepsia may occur (such as vomiting).		
4.3.	Indication of any immediate medic	cal attention and special treatment needed		
	No information available			

SECTION 5. Firefighting measures

5.1. Extinguishing media



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	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO ₂ Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media:	Water jet			
5.2.	Special hazards arising from the subs	stance or mixture			
	Hazardous combustion products:	Incomplete combustion of the product.			
5.3.	Advice for firefighters	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				
	-				

SECTIO	ON 6. Accidental release	measures		
6.1.	Personal precautions, p	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel			
	Protective equipment:		When disposing of small quantities use protective clothing. When disposing of large quantities use self-contained open-circuit compressed air breathing apparatus or self-contained closed-circuit air breathing apparatus.	
	Accident prevention me	ethods:	Secure a safety zone, remove all ignition sources, and in case of an accident inform the Emergency service (112) and the manufacturer or sender. Position a prohibition sign with symbols of flame and devices that cause sparks.	
	Emergency procedures:		Remove or neutralize all factors that may exacerbate the condition, use all allowed means of containing the situation and use recommended means of personal protection.	
6.1.2.	For emergency respond	ders:		
	Self-contained open-cir dissipation (fireproof cle	•	sed air breathing apparatus, a set for protecting the body from heat	
6.2.	Environmental precauti	ons:		
	·	•	nt further spillage of chemicals. Prevent environmental pollution by the sewage system, surface water or groundwater.	
6.3.	Methods and material f	or containme	nt 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:	Sawdust, sand, mineral adsorbents		
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112).		



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6.4.	Reference to other sections
	-

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 ignition and heat. Do not use tools that cause sparks.		
	Measures to prevent aerosol and dust generation:		Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		-		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2.	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	•	a well-ventilated place. Keep away from d direct solar radiation.		
	Packaging materials:	Manufa	cturer's original packaging.		
	Requirements for storage rooms and vessels:	•	vay from food and drink. Keep the ers tightly closed.		
	Advices for storage equipment:	must be drain th	rage must be made of hard material; floors e resistant to chemicals. There must be no at directly leads into sewage system. Secure ventilation.		
	Further information on storage conditions:	-			
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	-
Ethano	I	64-17-5	1000/-	1900/-	-
Ethylen	ne glycol	107-21-1	20/40 52/104		-
Hydroc	quinone	123-31-9	-/0,5	-/-	-



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;				i	i i	
Substance: -						
EC No: -	CAS No:	-				
DNEL		·				
		Ind	lustrial			
Doute of avecause.	Acute	Acut	e	Chronic	Chronic	
Route of exposure:	effect local	effect sys	temic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	1900 mg/m ³ (ethanol)	-		35 mg/ kg	380 mg/m³ (ethanol)	
	(ethanol)			(ethylene glycol)	242 mg/kg (athanal)	
Dermal	_	_		_	343 mg/kg (ethanol) 106 mg/kg (ethylene	
Derman.					glycol)	
Critical physical parar	neters: solubility, fla	mmability, cor	rosivity:		·	
Consumer						
Pouto of avenouses	Acute	Acute		Chronic	Chronic	
Route of exposure:	effect local	effect sys	temic	effect local	effect systemic	
Oral	Oral	-		-	-	
Inhalation	950 mg/m ³	_		7 mg/kg	114 mg/m³ (ethanol)	
middiation	(ethanol)			(ethylene glycol)	TTTTIIg/III (etilalioi)	
					206 mg/kg (ethanol)	
Dermal	-	-		-	53 mg/kg (ethylene glycol)	
PNEC					giycoi)	
Environmental protect	tion target		PNEC			
Livirorimental protect	turget		0.96 mg/l (ethanol)			
Fresh water			10 mg/l (ethylene glycol)			
			3.6 mg/kg (ethanol)			
Freshwater sediments	S		37 mg/kg (ethylene glycol)			
Marina watar			0.79 mg/l (ethanol)			
Marine water			1 mg/l (ethylene glycol)			
Marine sediments			2.9 mg/k	g (ethanol)		
Marine seaments			3.7 mg/k	g (ethylene glycol)		
Food chain				mg/kg kg (ethanol)		
Microorganisms in sewage treatment			580 mg/l (ethanol)			
<u> </u>			<u> </u>	y/l (ethylene glycol)		
Soil (agricultural)			_	kg (ethanol)		
			1.53 mg/kg (ethylene glycol)			



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Air			no information available	
8.2.	Exposure controls			
8.2.1.	Engineering measures			
	Substance/mixture related measure prevent exposure during identified		Use personal protective equipment. Do not eat, drink or smoke in the workspace.	
	Structural measures to prevent exposure:		No information available	
	Organisational measures to prever exposure:	nt	Organization of work in order to reduce other worker's influence during work process.	
	Technical measures to prevent exposure:		See Section 7.2	
8.2.2.	Personal protection equipment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.		
8.2.2.2.	Skin protection			
	2016/4		tective gloves must be according to the EU Directive 6/425/EEC and standard EN 374.	
	Hand protection:		Glove material: nitrile rubber Glove thickness: ≥0.50 mm	
			Break through time: >480 min	
	Other skin protection:	such a spilling suitabl	g everyday work use cotton clothing and suitable footwear, s rubber boots or shoes that cover the entire foot. In case of g hazard, use clothing made of impermeable material le for protection from liquid chemicals (Viton, PVC, himex) ootwear 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 inf	ormation available	
8.2.3.	Environmental exposure controls			
	Substance/mixture related measures to prevent exposure:	See	e Section 6	
	Structural measures to prevent exposure:	Use	e modern equipment.	
	Organisational measures to prevent exposure:		apt the work process to the required working conditions of workplace.	
	Technical measures to prevent exposure:	See	ee Section 6	



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ĺ	Information on basic physical an	d chemical properties		
		Value	Method	
	Physical state:	liquid	No information available	
	Colour:	brown	No information available	
	Odour/odour threshold:	ethanol 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:	20°C	No information available	
	Auto-ignition temperature:	No information available	No information available	
	Decomposition temperature:	No information available	No information available	
	pH:	No information available	No information available	
	Kinematic viscosity:	No information available	No information available	
	Solubility:	No information available	No information available	
	Partition coefficient n-octanol/water (log value):	No information available	No information available	
	Vapour pressure:	No information available	No information available	
	Density and/or relative density:	No information available	No information available	
	Relative vapour density:	No information available	No information available	
	Particle characteristics:	No information available	No information available	

SECTIO	SECTION 10.: Stability and reactivity		
10.1.	Reactivity:	The product is stable under normal working and storage conditions.	
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:	Risk of explosion after contact with strong acids, alkali metals, alkali metal oxides, nitric acid, oxidizing substances.	
10.4.	Conditions to avoid:	High temperatures, ignition sources, open flame.	



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10.5.	Incompatible materials:	Oxidants, acids, alkali metals.
10.6.	Hazardous decomposition products:	Non-degradable if used in the described manner.

	oxicological informa		dia D	- 1: (5.0	V NL 40	72 /200	NO.			
	nation on hazard class	ses as define	d in Regul	ation (EC	.) No 12	72/200)8			
Route of exposure:	Method	Species		re dose .C ₅₀ or	Expo tin			Results		
Oral:	No information available	rat	LD ₅₀		_		7.060 mg/kg (ethanol) 7.712 mg/kg (ethylene glyco 367.3 mg/kg (hydroquinon			
Dermal:	No information available	rabbit	LD ₅₀		-		>20.000 mg/kg (ethanol) >3.500mg/kg (ethylene glycol) 367.3 mg/kg (hydroquinone)			
Inhalation:	No information available	rat	LC ₅₀		4 h (ethan	ol)	>8.000 mg/l (ethanol)			
Specif	fic target organ toxicit		posure (S	TOT SE):						
0.1		Specific effects No information available			Target				Note	
Oral:				No information available No information available				-		
Dermal: Inhalation:	No information			No information available			_			
IIIIIaiatiOII.	NO IIIIOIIIIatioii	available		INO IIIIC	Jillatio	ıı avalıc	abie			
Aspira	ation hazard:		No inform	nation av	ailable					
Irritati	ion and corrosion									
	Exposure	time	Species	Evalu	ıation	Me	thod	l	lote	
Skin corrosion/irrita	tion:	-		-		-		No available	information	
Serious eye adamage/irritation		-		-		-		No available	information	
Sensit	ization:									
Skin sensitizati	on: No information	available								
Respiratory sensitization:	No information	available								



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C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	hugigal alsagain	al and taviasis	vigal above stavist	iaa					
Oral exposure:	loss of conscio	occurrence of sousness after ex	strong sensation	of stinging, hear	idache, vertigo, i entration. If dena					
Dermal exposure	: Defatting, dry	skin.								
Inhalation exposure:	Bronchoconst headache, ver	May cause eye irritation and upper respiratory system (stinging sensation, irritation). Bronchoconstriction is possible. Possible symptoms include CNS symptoms such as headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration.								
Eye exposure:	Splatter may of lesions.	ause discomfo	rt, stinging sensa	ation, conjunctiv	al redness, corne	eal surface				
Repeate	ed dose toxicity (su	bacute, subchr	onic, chronic)							
	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	_				



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Chronic inhalation		ormation ble	No information available	No information available	No information available	No information available	n -		
S	Specific target o	organ toxic	ty – repeated ex	posure (STC	T RE):				
**	1 5		Specific effects	·	Target org	gan	Note		
Subacute o	oral	No infor	mation available		No information av		-		
Subacute	dermal	No infor	mation available		No information av	ailable	-		
Subacute i	inhalation	No infor	mation available		No information av	ailable	-		
Subchronic oral No info			mation available		No information av	ailable	_		
Subchronic dermal No			mation available		No information av	ailable	_		
Subchronic inhalation No in			mation available		No information av	ailable	_		
Chronic oral No inf			mation available		No information av	ailable	_		
Chronic dermal No infor			mation available		No information av	ailable	-		
Chronic in	halation	No infor	mation available		No information av	ailable	_		
C N	Carcinogenicity: Mutagenicity <i>in</i>		ty; mutagenicity,	Suspecte No infor	Suspected of causing cancer. No information available				
	Genotoxicity:			Suspected of causing genetic defects.					
	Mutagenicity in				No information available				
	Germ cell mutaç	-		No information available					
K	Reproductive to	exicity:		INO INTOR	mation available				
	Summary of properties:	evaluation	of the CM	R					
11.2. Ir	nformation on	other haza	rds:						
11.2.1. E	ndocrine disru	pting prop	erties:						
	No known end hat affect huma		rupting proper	ties					
11.2.2. C	Other information	ons:							
-									

SECTI	ON 12	. Ecoloc	ical inf	formation:
JEC I I	011 12	. LCOIOC	ncai iiii	OI IIIa tioii.

12.1. Toxicity



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Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol) 0.638 mh/l (hydroquinone)	-
Crustacea:	EC ₅₀	48 hours	water flea	No information available	7.800 mg/l (ethanol) >100 mg/l (ethylene glycol) 0.134 mg/l (hydroquinone)	-
Algae/aquatic plants	IC ₅₀	72 hours	algae	No information available	5.000 mg/l (ethanol) 6.500-13.000 mg/l (ethylene glycol) 0.33 mg/l (hydroquinone)	-
Microorganisms	-	-	No information available	No information available	No information available	_
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	-
Microorganisms	_	_	_	_	-	_

Abiotic degradation Degradation half-lives Method Evaluation Note No information available No information available No information available

Maille water	INO IIIIOIIIIatioii available	INO IIIIOIIIIatioii available	INO IIIIOITIIatiOII 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	-



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	-										
	Biod	legrad	dation								
% Deg	gradati	on	Ti	me (days)		1	Method	Evaluation	1	Note	9
_			_		_			_		-	
12.3.				potential							
	-			ent: n-octa							
Valu	ıe	Со	ncentra	ition	рН	°C	Method	Evaluati	on	No	te
-		-		-		-	-	-		-	
		oncer	ntration	factor (Bo							
	Value Species				Method	Evaluation		Not			
No information No informat available available			1	No inf availal	ormation	No information available	1	No informati available	on		
avallab	ile		avalla	ibie		avallal	Jie	avaliable		avallable	
	Chro	onic e	cotoxici	itv							
	!				Exp	osure	_				
	Val	lue		Dose		me	Species	Method		Evaluation	Note
					No		No	No	No	information	
Chronic	c toxic	ity on	fish	LC ₅₀	inform		information available	information		ilable	_
					availal	oie		available			
Chronic		-		EC ₅₀	No inform	nation	No information	No information	1	information	_
crustac	ea (Da	aphnia	a)		availal		available	available	ava	ilable	
12.4.	Mob	oility i	n soil								
	Knov	wn or	predict	ted distrib	ution in e	environr	nental compart	ments:			
	No i	nform	nation a	vailable							
	Surfa	ace te	nsion:								
	\	√alue		°C	С	oncentr	ation	Method		Note	



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	No information available	No information available	No information available	No information available	-	
	Adsorption / o	desorption				
Transpo	A/D	coefficient 's constant	log Kow	Evaporation rate	Method	Note
Soil-wat	ter No available	information	No information available	No information available	No information available	-
Water-a	ir No available	information	No information available	No information available	No information available	-
Soil-air	No available	information	No information available	No information available	No information available	-
	toxic (PBT), or	wan a paraistant	and war biassaum	1 (' (D D) (I		
12.6.	Endocrine disa	rupting properti	es not contain compon	ents considered to	have endocrine disru	pting properties
12.6.	Endocrine disarrance according to F	rupting properti e/mixture does i REACH Article 5	es not contain compon	ents considered to Delegated regulatic		pting properties
	Endocrine disarrance according to F	rupting properti e/mixture does i REACH Article 5 J) 2018/605 at I	es not contain compon 7(f) or Commission I	ents considered to Delegated regulatic	have endocrine disru	pting properties
	Endocrine disa The substance according to Regulation (EU) Other adverse	rupting properti e/mixture does i REACH Article 5 J) 2018/605 at I	es not contain compon 7(f) or Commission l evels of 0.1% or hig	ents considered to Delegated regulatic	have endocrine disru	pting properties
12.7.	Endocrine disa The substance according to F Regulation (El Other adverse No adverse ef	rupting propertion of the control of	es not contain compon 7(f) or Commission I evels of 0.1% or hig	ents considered to Delegated regulatic	have endocrine disru	pting properties
12.7. SECTIOI	Endocrine disa The substance according to F Regulation (EL Other adverse No adverse ef	rupting propertion of the control of	es not contain compon 7(f) or Commission I evels of 0.1% or hig	ents considered to Delegated regulatic	have endocrine disru	pting properties
12.7. SECTIOI 13.1.	Endocrine disa The substance according to F Regulation (El Other adverse No adverse ef N 13. Disposal Waste treata	rupting propertion e/mixture does in REACH Article 5 J) 2018/605 at I e effects fects are expect	es not contain compon 7(f) or Commission levels of 0.1% or high	ents considered to Delegated regulatic	have endocrine disru	pting properties
12.7. SECTIOI 13.1.	Endocrine disa The substance according to F Regulation (EL Other adverse No adverse ef N 13. Disposal Waste treata	rupting propertice/mixture does of REACH Article 50 J. 2018/605 at 10 effects are expected consideration ment methods	es not contain compon 7(f) or Commission levels of 0.1% or hig ed.	ents considered to Delegated regulation her.	have endocrine disru	pting properties Commission
12.6. 12.7. SECTIOI 13.1. 13.1.1.	Endocrine disa The substance according to F Regulation (EU) Other adverse No adverse ef N 13. Disposal Waste treata Product/Pac Submit for c Protection.	rupting propertice/mixture does in REACH Article 50 J) 2018/605 at I seeffects refects are expected consideration ment methods rekaging disposal disposal to the International contents are seen to the International	es not contain compon 7(f) or Commission levels of 0.1% or hig ed.	zed by the Ministry	have endocrine disru	pting properties Commission



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13.1.3.	Waste treatment – relevant information:				
	No information available				
13.1.4.	Sewage disposal – relevant information:				
	Waste must not be dispose	ed of into the sewage system.			
13.1.5.	Other disposal recommend	dations:			
	authorized by the ministry	duct's remains into the sewage system. Submit the remains to the collectors in charge. Do not dispose of the packaging into the sewage system. Submit ctors authorized by the ministry in charge. Do not dispose of in places where			
13.1.6.	Relevant Community provi	sions:			
	-				
SECTION	N 14. Transport information				
	Transporting/shipment by ro	pad (ADR)			
UN num	ber:	1170			
UN prop	er shipping name:	Ethanol solution			
Transpor	t hazard class(es):	3			
Packing	group:	ll			
Environn	nental hazards:	No information available			
Special p	recautions for user:	-			
	Transporting/shipment by ra	il (RID)			
UN num	ber:	1170			
UN prop	er shipping name:	Ethanol solution			
Transpor	t hazard class(es):	3			
Packing	group:	II			
Environn	nental hazards:	No information available			
Special p	recautions for user:	-			
	Transporting/shipment by in	land waterways (ADN)			
UN num	ber:	1170			
UN proper shipping name:		Ethanol solution			
Transpor	t hazard class(es):	3			
Packing	group:	II			
Environn	nental hazards:	No information available			
Special p	recautions for user:	-			



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Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
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:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Further information: -	

SECTION	ION 15. Regulatory information					
15.1.	Safety, health and env	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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		18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency,
		amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;
	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 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Transport of Hazardous Substances Act
15.2.	Chemical safety assessme	ent
	None	

SECTIO	ON 16. Other information	
16.1.	Indication of changes:	-
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:	-



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16.4.		Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	ication	١	Classification procedure			
_			-			
16.5.	Rel	evant H statements (num	ber and full text)			
		225	Highly flammable liquid and vapor.			
		302	Harmful if swallowed.			
	317		317 May cause an allergic skin reaction.		May cause an allergic skin reaction.	
	H:	318	Causes serious eye damage.			
		341	Suspected of causing genetic defects.			
		351	May cause cancer.			
		400	Very toxic to aquatic life.			
16.6.	Trai	ning advice:	-			
			** "X" in the product code marks different volumes (different packaging of the product)			
16.7.	6.7. Further information:		We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.			

ANNEX:

EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT



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Trading name:		FERRI REAGI	NT, WEIGERT I	3	
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

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

SECTIO	ECTION 2 HAZARDS INFORMATION					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regula	tion (EC) No 12	72/2008 (CLP)			
	Hazard class and category	code:		Hazard statements*:		
	Not identified as hazardous subst	ance.	-			
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-sta	atements: see Se	ection 16			
2.2.	Classification according to EC Dire	ective Nr. 1272/	2008 CLP)			
	Product identification:	FERRI REAGEN	NT, WEIGERT B			
	Identification number:	-				
	Authorization no.:	-				
	Hazard pictograms:	-				



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	Signal word:	-	
	Hazard statements:	-	
	Precautionary statements:	-	
	Supplemetal hazard information (EU):	-	
2.3.	Other hazards		
	Endocrine Disrupting Properties	s:	
	No known endocrine disrupting p	properties	
	Results of PBT and vPvB assessment: According to the results of its assessment, this substance		
	PBT or a vPvB.		

SECTION 3 CC	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)			
7782-61-8/ 616-509-1/ -	-	< 0.5%	ferric nitrate nonahydrate	Skin Irrit. 2; H315 Eye Irrit. 2; H319			
7647-01-0/ 231-595-7/ 017-002-00-2	01-2119484862- 27-xxxx	< 1%	hydrochloric acid, 37%	Skin Corr. 1B; H314 STOT SE 3; H335			

SECTI	SECTION 4 FIRST AID MEASURES				
4.1.	Description of first aid measures				
	General notes:	-			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.			
	Self-protection of the first aider:	Treat symptomatically.			
4.2.	Most important symptoms and effects, both acute and delayed				



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Trading name:		FERRI REAGE	EAGENT, WEIGERT B		
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		Inhelation of large amounts of vanors in inadequately ventilated norimeter	
	Following inhalation:	Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea.	
	Following skin contact:	Slight irritation. After short exposure, resorption effects are not likely. Longterm exposure may cause drying, cracking and tingling sensation of skin.	
	Following eye contact:	Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation.	
	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.	
4.3.	Indication of any immediate medical attention and special treatment needed		
	-		

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

SECTIO	SECTION 6 ACCIDENTAL RELEASE MEASURES				
6.1.	Personal precautions, protective ed	quipment 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).				



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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.	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 generatio	n: Secure proper ventilation.			
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.			
	Other measures:	-			
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Th	oroughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incom	patibilities			
	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.			



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	Further ir	nformation	on storage	conditior	ns:	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).				ing other
7.3.	Specific e	nd use(s)								
	Recomm	endations:				-				
	Industrial	sector spe	cific solutio	ns:		-				
	ON 8 EXPO		TROLS/PER	RSONAL	PROTI	ECTION				
8.1.	Control p	arameters			I			I		
	Culturation of	_	CAC	NI -			exposure limit term values	D:	. 1	Santa and bank
	Substance	е	CAS	NO		opm	mg/m ³	BIC	ologicai ii	imit values
Hvdro	Hydrogen chloride 7		7647-0	01-0	1	5/10	8/15			
y	9			<u> </u>			-, -			
Substa	-									
EC No:	:		CAS No:	-						
DNEL										
					Ind	ustrial				
Route expos			Acute ect local	Acute effect syste			Chronic effect local		eff	Chronic ect systemic
Oral		-		-	-		-		-	
Inhalat	tion	-		-			-		-	
Derma	al	-		-			-		-	
Critica	l physical pa	rameters: s	solubility, fla	mmabilit	ty, corr	osivity:	-			
					Cor	sumer			1	
Route expos			Acute ect local	effe	Acute		Chron effect lo		eff	Chronic ect systemic
Oral		-		-			-		-	
Inhalat	tion	-		-			-		-	
Derma	al	-		-			-		-	
PNEC										
Enviro	nmental pro	tection tar	get			PNEC				
Fresh v	water					No information available				
Freshw	vater sedime	ents				No infor	mation availabl	е		_
Marine	e water					No information available				



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Marine se	diments			No information available		
Food chai	n			No information available		
Microorga	anisms in sewage treatment			No information available		
Soil (agricultural)				No information available		
Air				No information available		
8.2.	Exposure controls					
8.2.1.	Engineering measures					
	Substance/mixture related measures to prevent expoduring identified uses:			product in well ventilated rooms. Use personal protective ent. Do not eat, drink or smoke in the workspace.		
	Structural measures to pre exposure:	event	No info	rmation available		
	Organisational measures to prevent exposure:		Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to pre exposure:	event		proper workspace ventilation in order to keep ntration levels in air below permitted levels.		
8.2.2.	Personal protection equipment					
8.2.2.1.	Eye and face protection:		Safety o	glasses that stick to face (preventing splashing) (EN 166) or		
8.2.2.2.	Skin protection					
	Hand protection:	standard EN 37 Glove r Glove t		re gloves must be according to the EU Directive 2016/425/EEC an I EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:			clothing made of natural fibers (such as cotton) with long 34), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	or organi	ace mask (EN 136) or half mask (EN 140) equipped with a c vapors, type "A" (boiling point >65°C) acording to EN nen concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation	available		
8.2.3.	Environmental exposure of	ontrols				
	Substance/mixture related measures to prevent expo		See Section 6			
	Structural measures to pre exposure:	event	Use modern equipment.			
	Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace.			



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

Information on basic physical and che	mical properties		
	Value	Method	
Physical state:	liquid	No information available	
Colour:	pale yellow	No information available	
Odour/odour threshold:	neutral/no information available	No information available	
Melting point / freezing point:	No information available	No information available	
Boiling point or initial boiling point and boiling range:	No information available	No information available	
Flammability:	No information available	No information available	
Lover and upper explosion limit:	No information available	No information available	
Flash point:	No information available	No information available	
Auto-ignition temperature:	No information available	No information available	
Decomposition temperature:	No information available	No information available	
pH:	No information available	No information available	
Kinematic viscosity:	No information available	No information available	
Solubility:	No information available	No information available	
Partition coefficient n-octanol/water (log value):	No information available	No information available	
Vapour pressure:	No information available	No information available	
Density and/or relative density:	No information available	No information available	
Relative vapour density:	No information available	No information available	
Particle characteristics:	No information available	No information available	

SECTIO	SECTION 10 STABILITY AND REACTIVITY				
10.1.	Reactivity:	See subsections 10.3 through 10.5.			
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.			
10.3.	Possibility of hazardous reactions:	With strong oxidants, sodium-hydroxide, sulfuric acid, aluminum.			
10.4.	Conditions to avoid:	Sources of heat, sparks, and ignition.			
10.5.	Incompatible materials:	Aluminum.			



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Hazardous decomposition products: No information available. 10.6.

SECTION 11 TOXIC	COLOGICAL INFORMA	ATION				
11.1. Informatio	n on hazard classes as	defined in Regu	lation (EC) No 12	72/2008		
Acute toxi	city:					
Route of exposure:	Method	Species	Effective dose LD_{50}/LC_{50} or $ATE_{mixture}$	Exposure t	ime Results	
Oral exposure:	No information available	-	LD ₅₀	-	-	
Dermal exposure:	No information available	-	LD ₅₀	-	-	
Inhalation exposure:	No information available	-	LC ₅₀	-	-	
Specific ta	rget organ toxicity – si	ngle exposure (S	TOT SE):			
	Specifi	c effects	Targe	torgan	Note	
Oral exposure:	No information a	available	No informati	on available	-	
Dermal exposure:	No information a	available	No informati	ion available -		
Inhalation exposure	e: No information a	available	No informati	_		
Respirator	y irritation:	No inforr	nation available			
Irritation a	nd corrosion					
÷	Exposure time	Species	Evaluation	Method	Note	
Skin irritation:	-	rabbit	-			
Eye irritation:	-	rabbit	-	-		
Sensitization	on					
Dermal exposure:	No information avail	able				
Inhalation exposure: No information available						
Computer	rolated to the shurt-	l chamical and t	ovicelegical share	octorictics		
Oral exposure:	Swallowing may constant sensation; higher land concentration may	ause irritation of evels of concent g, aspiration caus	mucosa, tingling ration may cause ses coughing, diff	sensation in th	ninal pain and vomitin	



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Dermal exposure:		Slight irritation. After short exposure, resorption effects are not likely. Long-term exposure may cause drying, cracking and tingling sensation of skin.						
Inhalation expos	ure:		of large amounts of vapors in inadequately ventilated perimeter may cause sneezing, headache and nausea.					
FI/A AVNOSIIFA.		Direct eye co sensation.	ontact may cau	se slight to mo	oderate irritation,	lacrimation and	burning	
Repeate	ed dos	se toxicity (sub	acute, subchro	onic, chronic)				
1		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	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		information ilable	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	dermal No information available		No information available	No information available	No information available	No information available	-	
Chronic No information inhalation available		No information available	No information available	No information available	No information available	-		
Specific	targe	et organ tovicit	v – reneated e	xposure (STOT	RE)·			
Specific	tai ge		pecific effects		Target orga	an	Note	
Subacute oral			ation available	N1 -	information avai			



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Subacu	te dermal	No informatio	n available	No information available	_			
Subacu	te inhalation	No informatio	n available	No information available	-			
Subchro	onic oral	No informatio	n available	No information available	-			
Subchro	onic dermal	No informatio	n available	No information available	-			
Subchro	onic inhalation	No informatio	n available	No information available	-			
Chronic	oral	No informatio	n available	No information available	-			
Chronic	dermal	No informatio	n available	No information available	-			
Chronic	inhalation	No informatio	n available	No information available	-			
				roductive toxicity)	prein aganis offacts			
	Carcinogenicity:			s on test animals did not indicate ca				
	Mutagenicity i	n-vitro:	Current <i>in vitro</i> tests did not indicate mutagenic effects. No information available					
	Genotoxicity:	n vivo:			c offocts			
	Mutagenicity i		No informatio	o tests did not indicate mutageni	c effects.			
	Reproductive t			n reproductive organs was deter	mined in reproductiv			
	Summary of ev	valuation of the	CMR properties:	-				
11.2	Information or	n other hazards:						
11.2.1.	Endocrine disr	upting propertie	s:					
	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.							
			<u> </u>					
11.2.2.	Other informations:							

SECTION 12 ECOLOGICAL INFORMATION:						
12.1. Toxicity						
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note



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Fish	LC ₅₀	96 hours	-	No information available	-	-
Crustacea:	EC ₅₀	48 hours	-	No information available	-	-
Algae/aquatic plants	IC ₅₀	8 days	-	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	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	-

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

12.3. Bioaccumulative potential



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			nt: n-octar									
Valu		oncentrat		рН	°C		ethod		Evalua			Note
-	No avai	inform lable	ation -		_	No info			No inform Ivailable	nation	-	
	Bioconce	ntration f	actor (BC	F)								
١	V alue		Species			Method	l		Evaluation	on		Note
No info availab	ormation ble	No availab		mation	No infa	ormatic ole	on	No i avail	nformation	on	No info availabl	rmation le
	Chronic 6	ecotoxicit	y									
	Value		Dose		osure ime	Spe	ecies	M	ethod	Ev	aluation	Note
Chroni	c toxicity o	n fish	LC ₅₀	No infor avail	mation able	No infori availa	mation able	No infor avail	rmation lable	No information available		-
	c toxicity o		EC ₅₀	No infor avail	mation able	No infori availa	mation able	No infor avail	rmation lable	No in availa	formation ble	-
12.4.	Mobility	in soil										
	1		d distribu	ition in 4	nvironn	nental c	ompar	tmanta				
		nation av				incintal C	.ompai	ciits	·			
	Surface t		anabic									
	Value		°C	С	oncentra	ation		Met	thod			Note
	No informati available	No ion info	ormation ailable	No	informa ailable		No in	format		_		
	Adsorption	on / deso	rption									
Transp	ort	A/D coef	ficient	lo	og Kow	Εν	/aporati	ion rat	e	Method	ł	Note



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						<u> </u>			
Soil-wa	ter No available	information	No information available	No information available	No information available	-			
Water-a	No information No information available No information available No information available -								
Soil-air	No available	information	No information available	No information available	No information available	-			
12.5.	Results of PBT	and vPvB asses	ssment						
	according to R	EACH Article 5	•	n Delegated regula	to have endocrine d tion (EU) 2017/2100	isrupting properties or Commission			
12.6.	Endocrine disru	upting properti	es						
	according to R	EACH Article 5	•	n Delegated regula	to have endocrine d tion (EU) 2017/2100	isrupting properties or Commission			
12.7.	Other adverse	effects							
	No information	n available							
SECTIO	N 13 DISPOSAL	L CONSIDERA	ΓΙΟΝS						
13.1.	Waste treatm	nent methods							
	·								
13.1.1.	Product/Pack	kaging disposa	l:						
	Submit for di Protection.	isposal to the l	egal person autho	rized by the Minist	ry of Environmental	and Nature			
13.1.2.			tions according to	Law:					
	No informati	on available							
13.1.3.	Waste treatm	nent – relevant	information:						
	No informati	on available							
	:								
13.1.4.	Sewage dispo	osal – relevant	information:						
	Waste must r	not be dispose	d of into the sewa	ge system.					
13.1.5.	Other disposal recommendations:								



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	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 pro	ovisions:		
	-			
SECTIO	N 14 TRANSPORT INFOR	MATION		
	Transporting/shipment by	road (ADR)		
UN num	ber:	Not subject to transport regulations.		
UN prop	er shipping name:	_		
Transpo	rt hazard class(es):	_		
Packing	group:	_		
Environr	mentally hazardous:	-		
Special p	precautions for user:	-		
	Transporting/shipment by	rail (RID)		
UN num	ber:	Not subject to transport regulations.		
UN prop	er shipping name:	-		
Transpo	rt hazard class(es):	-		
Packing	group:	-		
Environr	mentally hazardous:	-		
Special p	precautions for user:	-		
	Inland waterway transport	(ADN)		
UN num	ber:	Not subject to transport regulations.		
UN prop	er shipping name:	-		
Transpo	rt hazard class(es):	_		
Packing	group:	-		
Environr	mentally hazardous:	-		
Special p	precautions for user:	-		
	Transporting/shipment by	sea (IMDG)		
UN num	ber:	Not subject to transport regulations.		
UN prop	er shipping name:	-		
Transport hazard class(es):		-		
Packing	group:	-		
Environr	mentally hazardous:	-		
Special precautions for user:		-		



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

5.1. Safety, health a	Safety, health and environmental regulations/legislation specific for the substance or mixture			
EU regulations	EU regulations			
Authorization a	nd/or restrictions of use			
Authorizations:	-			
Restrictions:	-			
Other EU regul	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);			



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	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessment	
	None	

SECTIO	ON 16 Other information				
16.1.	Indication of changes:	-			
16.2. Abbreviations and acronyms:		ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:	_			
16.4.	Classification and procedure (1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)			
Classification		Classification procedure			
-		-			
16.5.	Relevant H statements (numb	er and full text)			
	H: H314	Causes severe skin burns and eye damage.			
	H315	Causes skin irritation.			
	H319	Causes serious eye irritation.			
	H335	May cause respiratory irritation.			
16.6.	Training advice:	-			
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings o 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.			



SAFETY DATA SHEET

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

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ANNEX:
EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT
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