

#### **GOMORI TRICHROME KIT**

The kit contains:

Bouin's solution
Chromotrope 2R/Aniline Blue reagent
Differentiating reagent for Gomori Trichrome kit
Ferri reagent, Weigert B
Hematoxylin, Weigert A



Page 1 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

1.1.	Product identifier	he substance	e/mixture a	nd of the company/undertaking	
1.1.		DOLUNIC CA			
	Trading name:	BOUIN'S SOLUTION			
	Chemical name:	-			
	Catalogue number:	BOU-OT-X	**		
1.2.	Relevant identified use	es of the subs	tance or mix	cture and uses advised against	
	Uses:		Aqueous s tissue fixat	olution of picric acid, formaldehyde and acetic acid for ion.	
	Uses advised against:		Only the ic	dentified uses are advised.	
	Reason why uses advised against: medical device, registered at the Agency for N		ct 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	Details of the supplier of the safety data sheet			
	Supplier:	В	BioGnost Ltd.		
	Address:	V	Medjugorska 59, Zagreb		
	Telephone number:	+	+385 1 2409997		
	Fax no.:	+	+385 1 2404039		
	e-mail of competent person:		msds@biognost.hr		
	National contact:	National contact: -		-	
1.4.	Emergency telephone	number			
	National Protection an	d Rescue Dir	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 127	72/2008 (CLP)			
	Hazard class and category code:	Hazard statements*:			
	Acute Tox. 4	H302			
	Acute Tox. 4	H312			
	Skin Irr. 2	H315			
	Skin. Sens. 1	H317			
	Eye Irr. 2	H319			
	Acute Tox. 4	H332			
	STOT SE 3	H335			
	Muta. 2	H341			
	Carc. 1B	H350			



#### SAFETY DATA SHEET

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

Page 2 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

2.1.2.	Additional information					
	Endocrine Disrupting Prop	perties:				
	No known endocrine disrupting properties					
	<b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is not a					
4F (	PBT or a vPvB.					
	ıll text of Hazard- and EU Haza	rd-statements: see Section 16				
2.2.	Label elements					
	Product identification:	BOUIN'S SOLUTION				
	Identification number:	-				
	Authorization no.:	-				
	Hazard pictograms:	GHS08 GHS07				
	Signal word:	Danger				
	Hazard statements:	<ul> <li>H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H319 Causes serious eye irritation.</li> <li>H335 May cause respiratory irritation.</li> <li>H341 Suspected of causing genetic defects.</li> <li>H350 May cause cancer.</li> </ul>				
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye/protection/face protection.  P301+P330+P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water and soap.  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  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.				
	Further information:	-				
2.3.	Other hazards					

#### **SECTION 3. Composition/information on ingredients**



Page 3 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

CAS/ EC/ Index no.	REACH Registration No	Mass %	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
50-00-0/ 200-001-8/ 605-001-00-5	01-2119488953-20- XXXX	7 -10 %	formaldehyde, 37%	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin. Corr. 1B; H314 Skin. Sens. 1; H317 Acute Tox. 3; H331 Muta. 2; H341 Carc. 1B; H350
64-19-7/ 200-580-7/ 607-002-00-6	-	4- 5 %	acetic acid, glacial	Flam. Liq. 3; H226 Skin Corr. 1A; H314
88-89-1/ 201-865-9/ 609-009-00-X	-	< 1 %	picric acid	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331

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:	Remove person to fresh air. If breathing stops, immediately apply artificial respiration. If breathing difficulties occur, use emergency breathing apparatus. If the symptoms persist, immediately consult a physician.
	Following skin contact:	Take off immediately all contaminated clothing. Immediately wash with plenty of water and soap 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 10 minutes. If the symptoms remain, immediately call in ophthalmologist.
	Following ingestion:	Rinse the oral cavity, drink at most 1-2 glasses of water. Do not induce vomiting. 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 e	effects, both acute and delayed
	Following inhalation: se	itation of the mucous membrane of the nose/throat may occur (burning nsation, urge to sneeze, and runny nose). High concentration may cause fficult breathing, coughing fits, chest tightness, headache, vertigo and owsiness.



Page 4 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

	Following skin contact:	Irritation, redness with stinging and pain, skin cracking, rash, swelling, burns, blisters and delayed onset of inflammatory processes may occur.
	Following eye contact:	Depending on concentration and exposure time, mucosa stinging, lacrimation, redness and pain may occur, as well as bleeding, delayed onset of inflammatory processes and permanent eyesight damage.
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting (possibly of bloody content).
4.3.	Indication of any immedia	te medical attention and special treatment needed
	-	

SECTIO	ECTION 5 Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub> Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media:	No information available			
5.2.	Special hazards arising from the substance or mixture				
	Hazardous combustion products:	Possible liberation of toxic carbon monoxide and formaldehyde gases due to thermal decomposition (increased temperature). Explosive mixtures of formaldehyde vapors and air, and methanol and air also present danger.			
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, in order to prevent explosion.				
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. Avoid breathing vapors and avoid contact with skin and eyes. Remove all sources of sparks and ignition. Do not smoke.				
	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				



Page 5 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

6.2.	Environmental precaut	ions:			
	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.	For creating barriers, covering and sealing:	Sand or clay parriers			
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 involved materials with water.			
6.3.3.	Other information:	Do not use tools that may cause sparks.			
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 info	rmation about containment.			

SECTIO	SECTION 7. Handling and storage					
7.1.	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:	fr	se in well ventilated storage rooms. Keep away om sources of heat and ignition. Carry out leasures for preventing static electricity.			
	Measures to prevent aerosol and dust generation	n: Se	ecure proper ventilation.			
	Measures to protect the environment:		revent spilling into the sewage system and aterways.			
	Other measures:	-				
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. Th	orough	ly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incon	npatibili	ties			
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a ventilated storage rooms at temperatures ranging from 15 to 25 °C.				
	Packaging materials:	Manuf	acturer's original packaging.			
	Requirements for storage rooms and vessels:	•	way from food and drink. Keep the containers closed.			



Page 6 of 19

Trading name:		BOUIN'S	SOLUTION		
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

	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:	-

SECTION 8. Exposure controls/personal protection							
8.1. Control para	<u> </u>	ai protec	tion				
Substance	CAS	No		Occupational exposure limit values/short term values		Biological limit values	
			ppm	mg/m³			
Formaldehyde	50-0	0-0	0.3/0.6	0.37/0.74		-	
Acetic acid, glacial	64-1	9-7	10/20	25/50		-	
_							
Substance - name:							
EC No: -	CAS No:	-					
DNEL							
			Industrial				
Route of exposure:	Acute	Acute		Chronic		Chronic	
Route of exposure.	effect local	effe	ect systemic	effect loca	al	effect systemic	
Oral	-	-		-		-	
Inhalation	0.75 mg/m³ (formaldehyde)	-		0.375 mg/m <sup>3</sup> (formaldehyde)		9 mg/m³ (formaldehyde)	
Dermal	-	-		0.037 mg/cm <sup>2</sup> (formaldehyde)		240 mg/kg (formaldehyde)	
Critical physical para	Critical physical parameters: solubility, flammability, corrosivity:						
Consumer							
Pouto of ovnocura	Acute		Acute	Chronic		Chronic	
Route of exposure:	effect local	effe	ect systemic	effect loca	al	effect systemic	
Oral	-	-		-		4.1 mg/kg (formaldehyde)	



Page 7 of 19

Trading r	name:	BOUIN'S SOLUTION						
Product o	code:	BOU-OT-X**	Revisio	n date:	22 Dec 2022	Versi	on:	7
					T	•	Γ	•
Inhalation	ı	-	-		0.1 mg/m³ (formaldehyde)		3.2 mg/n (formald	
Dermal		-	-		0.012 mg/cm <sup>2</sup> (formaldehyde)		120 mg/ (formald	-
PNEC								
Environme	ental prote	ection target		PNEC				
Fresh wate	er			0.44 mg/	(I (formaldehyde)			
Freshwate	r sedimer	its		2.3 mg/k	g (formaldehyde)			
Marine wa	ater			0.44 mg/	(I (formaldehyde)			
Marine se	diments			2.3 mg/kg (formaldehyde)				
Food chai	n			No information available				
Microorga	anisms in s	sewage treatment		0.19 mg/l (formaldehyde)				
Soil (agric	ultural)			0.2 mg/kg (formaldehyde)				
Air				No information available				
	:							
8.2.	Exposu	ire controls						
8.2.1.	Appro	oriate engineering cor	ntrols					
		nce/mixture related m t exposure during ide		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			•	
	Structu	ıral measures to preve	ent exposure:	No information available				
	Organi exposu	anisational measures to prevent		Organization of work in order to reduce other worker's influence during work process.			ner worker's	
	Techni	nical measures to prevent exposure:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			•	
8.2.2.	Person	al protection equipme	ent					
8.2.2.1.	Eye an	d face protection:	levels o	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.			at covers the	
8.2.2.2.	Skin pr	otection						



Page 8 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

	Hand protection:	Protective gloves must be according to the Directive 89/686/EEC and standard EN 374.  Full contact:  Glove material: nitrile rubber  Glove thickness: 0.40 mm  Time until perforation: > 480 min  Splash contact:  Gloves material: polychloroprene  Glove thickness: 0.65 mm  Time until perforation: > 240 min
	Other skin protection:	Wear protective suit with long sleeves (EN 340) that protects from chemicals and shoes that cover the entire foot.
8.2.2.3.	Respiratory protection:	Full face mask (EN 136) or half mask (EN 140) equipped with a recommended "ABEK" (EN 14387) filter 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 ar	nd chemical properties				
		Value	Method			
	Physical state:	liquid	No information available			
	Colour:	yellow	No information available			
	Odour/odour threshold:	pungent/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			



Page 9 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

	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
9.2.	Other information		
	-		

SECTIO	ON 10.: Stability and reactivity	
10.1.	Reactivity:	See subsections 10.3 through 10.5.
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).
10.3.	Possibility of hazardous reactions:	Explosion hazard when in contact with: nitric acid, hydrogen peroxide, nitromethane, acids, phenol, nitrogen dioxide Exothermic reactions occur with the following substances: bases, nitrides, polymerization initiators, sodium hydroxide, potassium permanganate, furfuryl alcohol, highly oxidizing agents, perchloric acid with aniline, hydrochloric acid, magnesium carbonate.
10.4.	Conditions to avoid:	Sources of heat, sparks, ignition, and low temperature.
10.5.	Incompatible materials:	Highly oxidizing agents, acids, bases and different metals, steel manufactured by melting, copper.
10.6.	Hazardous decomposition products:	Carbon oxides.

<b>SECTION 11. Toxic</b>	SECTION 11. Toxicological information									
11.1. Information on toxicological effects										
Acute toxic	Acute toxicity:									
Route of exposure:	Method	Species	Dose $LD_{50}/LC_{50}$ or $ATE_{mix}$	Exposure time	Results					



Page 10 of 19

Trading name:			BOUIN'	S SOLUTION			
Product code:	BOU-OT-X**	Revisi	ion date:	22 Dec 2022 Ve		on:	7
Oral exposure:	No information available	rat	LD <sub>50</sub>	No informati available	on	>200 mg/kg (formaldehyde)	
Dermal:	No information available	rabbit	LD <sub>50</sub>	No informati available	on	>270 mg/kg (formaldehyde)	
Inhalation exposure:	No information available	rat	LC <sub>50</sub>	4 h	0.	.58 mg/	'l (formaldehyde)
Specific ta	orget organ toxicity –	single exposui	re (STOT SE	·):			
	Sp	ecific effects		Target c	rgan		Note
Oral exposure:	No information av	ailable		-		-	
Dermal exposure:	No information av	ailable		-		-	
Inhalation exposure:	No information av	ailable		-		-	
Aspiration	hazard:	poss	ible respira	tory system irritat	tion.		
Irritation a	and corrosion						
	Expos	ure time	S p e c i e s	Evaluation	Me	thod	Note
Skin corrosion/irrita	ation No informa	ition available			-		Causes skin irritation.
Serious irritation to	eyes: No informa	ition available			-		Causes serious eye irritation.
Sensitizati	on						
Dermal exposure:	May cause allergic	skin reaction.					
Inhalation exposure:	Allergic persons m		ation.				
Symptom	s related to the physi	cal, chemical a	nd toxicolo	ogical characterist	ics		
Oral exposure:		an cause sever		mouth and throa		anger o	f esophagus and
Dermal exposure:	Depending on c		•	re time, redness a	•	nied by	sensation of



Page 11 of 19

Trading name:	BOUIN'S SOLUTION								
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7				

Inhalation expos	ure: and	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and shortness of breath. Inhalation may cause formation of oedema in respiratory tract and may cause damage.									
Eye exposure:	Caus haza		eye damage. Fumes may cause lacrimal irritation (tearing), blindness								
Repeate	ed dose toxi	city (subac	ute, subchro	onic, chronic)							
; ·	Do	ose	Exposure time	Species	Method	Evaluation	Note				
Subacute oral	No in available	formation	No informati on available	No information available	No information available	No information available	No information available				
Subacute dermal	No information available		No informati on available	No information available	No information available	No information available	No information available				
Subacute inhalation	No information available		No informati on available	No information available	No information available	No information available	No information available				
Subchronic oral	No in available	formation	No informati on available	No information available	No information available	No information available	No information available				
Subchronic dermal	No in	formation	No informati on available	No information available	No information available	No information available	No information available				
Subchronic inhalation	No information available		No informati on available	No information available	No information available	No information available	No information available				
Chronic oral	No information available		No informati on available	No information available	No information available	No information available	No information available				
Chronic dermal	No in	formation	No informati on available	No information available	No information available	No information available	No information available				



Trading name:

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

**BOUIN'S SOLUTION** 

Page 12 of 19

Product code:	BOU-OT-X**	Re	vision date:	22 Dec 2022	Version:	7			
Chronic inhalation	No information available	No informati on available	No information available	No information available	No information available	No information available			
Specific	c target organ toxicity -	- repeated e	exposure (STOT	RE)·					
	Specific effe		Aposare (STOT	Target organ		Note			
Subacute oral	No information availa		No informa	ation available		No information available			
Subacute dermal	No information availa	able	No informa	ation available		No information available			
Subacute inhalation	No information availa	able	No informa	ation available		No information available			
Subchronic oral	No information availa	able	No informa		No information available				
Subchronic dermal	No information availa	able	No informa	No information available					
Subchronic inhalation	No information availa	No informa	ation available		No information available				
Chronic oral	No information availa	able	No informa	No information available					
Chronic dermal	No information availa	able	No informa	No information available					
Chronic inhalation	No information availa	able	No informa	No information available					
CMR et	ffects (carcinogenicity; ı	mutagenicit	y; reproductive	toxicity)					
	ogenicity:			to have carcinog	enic potential	for humans.			
Mutage	enicity <i>in vitro</i> :		No inform	No information available.					
Genoto	oxicity:		No inform	No information available.					
Mutage	enicity <i>in vivo</i> :		No inform	nation available.					
Germ o	ell mutagenicity:		Suspected	l of causing gene	tic defects.				
Reprod	luctive toxicity:		No inform	No information available.					
Summa	•	of the CN	MR No inform	nation available.					
11.2. Informa	ation on other hazards:								
11.2.1. Endocr	ine disrupting properti	es:							



Page 13 of 19

Trading name:	BOUIN'S SOLUTION								
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7				

	No known endocrine disrupting properties that affect human health.
11.2.2.	Other informations:
	-

12.1. Toxic	ity									
Acute (short-toxicity	erm)	Dose	Exposure time		Species	Method		Evaluation		Note
Fish		LC <sub>50</sub>	96 hours		Pimephales promelas	_		24.1 – 41 mg/l (formaldehyde)	-	
Crustacea:		EC <sub>50</sub>	48 hours		water flea (Daphnia magna)	-		2 mg/l (formaldehyde)		
Algae/aquatic	plants	IC <sub>50</sub>	72 hour	S	algae	-		2.5 mg/l (formaldehyde)	-	
Other organisi	ms	-	-		-	-		-	-	
Chronic (long- toxicity	term)	Dose	Exposu time	re	Species	Method		Evaluation		Note
Fish		LC <sub>50</sub>	96 hour	S	-	-		No information available		
Crustacea:		EC <sub>50</sub>	48 hours		-	-		No information available	-	
Algae/aquatic	plants	IC <sub>50</sub>	72 hours		-	-		No information available	-	
Other organisi	ns	-	-		-	-		No information available	-	
		and degradal	oility							
	Deg	gradation ha	f-lives		Method			Evaluation		Note
Marine water	No in	formation av	ailable	No	information a	vailable	١	No information available		-
Fresh water	No in	formation av	ailable	No	information a	vailable	١	No information available		-
Air	No in	formation av	ailable	No	information a	vailable		No information available		-
Soil	No in	formation av	ailable	No	information a	vailable	١	No information available		-
Biode	gradati	ion								
% Degradatio		Time (da	ys)		Method		E	valuation	Note	<u> </u>
No informatio available		information	•		lo information vailable			ormation -		



Page 14 of 19

Trading name:	BOUIN'S SOLUTION								
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7				

	1										
12.3.			ative potenti								
	Partitic	n co	efficient: n-o	ctanol/w	ater (log	Kow):					
Valu	ue	Con	centration	рН	°C Method		ethod	Evaluation			Note
	No No information available available			-	-	No info	ermation le	No info availabl	rmation e	-	
	Biocon	centr	ation factor	(BCF)							
V	alue		Spec			Method		Evalua	ntion	0 0 0 0 0 0 0 0 0 0	Note
	rmation		No informati available		No in	formatio		No informa available		-	
	Chroni	c 000	toxicity								
	Value		Do	se E	xposure time	Spe	cies	Method	Evaluati	on	Note
Chronic	toxicity	on fi	sh LC <sub>50</sub>	n		No information available		No informati on available	No informat available		-
	toxicity ea (Daph		EC <sub>50</sub>	N in n		No information available		No informati on available	No information available		-
12.4.	Mobilit	ty in s	soil								
	Known	or p	redicted dist	ribution	in environ	imental c	compart	ments:			
	Surface	n tone	·ion·								
	Val		°C		Concont	ration		Method			Note
	No inform availab	ation	No		Concentration No information available		No info	ormation	-		Note



Page 15 of 19

Trading name:	BOUIN'S SOLUTION								
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7				

	Adsorption / desorption		,		,		
Transpo	rt A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note		
Soil-wat	er No information available	No information available	No information available	No information available	-		
Water-a	ter-air No information available No information available No information available No information available -						
Soil-air	oil-air No information available No information available No information available No information available -						
12.5.	Results of PBT and vPvB asse	essment					
	No information available						
12.6.	Endocrine disrupting proper	ties					
	The substance/mixture does according to REACH Article Regulation (EU) 2018/605 at	57(f) or Commission	n Delegated regulat				
•							
12.7.	Other adverse effects						
	No information available						
SECTION	N 13. Disposal consideratio						
13.1.	Waste treatment methods	115					
13.1.	waste treatment methods						
13.1.1.	Product/Packaging dispos	al:					
	Submit for disposal to the Protection.	legal person autho	rized by the Ministr	y of Environmental a	and Nature		
13.1.2.	Waste codes/waste design	nations according to	o Law:				
	15 01 10*: packaging that substances	contains residual h	azardous substance:	s or is contaminated	l with hazardous		
13.1.3.	Waste treatment – relevan	t information:					
13.1.5.	No information available	t imormation.					
13.1.4.	Sewage disposal – relevan	t information:					



Page 16 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

13.1.5.	Other disposal recomme	ndations:
	authorized by the minist	oduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge.
13.1.6.	Relevant Community pro	ovisions:
	-	
SECTIO	N 14. Transport informati	on
	Transporting/shipment by	
UN num		Not subject to marking regulations.
	er shipping name:	-
	rt hazard class(es):	-
Packing	-	-
Environr	nentally hazardous:	-
	precautions for user:	-
<del>-</del>	Transporting/shipment by	rail (RID)
UN number:		Not subject to marking regulations.
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	nentally hazardous:	-
Special p	precautions for user:	-
	Inland waterway transport	(ADN)
UN num	ber:	Not subject to marking regulations.
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	nentally hazardous:	-
Special p	precautions for user:	-
	Transporting/shipment by	sea (IMDG)
UN num	ber:	Not subject to marking regulations.
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environn	nentally hazardous:	-



Page 17 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

Special precautions for user:	-	
Transport in bulk according t of MARPOL 73/78 and the IBC	_	
Transporting/shipme	nt by air (ICAO-TI/IATA-DGR)	
UN number:	3334	
UN proper shipping name:	Aviation regulated liquid, n.o.s. (formaldehyde)	
Transport hazard class(es):	9	
Packing group:	III	
Environmentally hazardous:	None	
Special precautions for user:	-	
Further information: Formaldehyde solutions, nonflammable, containing less than 25% of formaldehyde not adhere to the ADR regulations.		

Safety, health and environ	mental regulations/legislation specific for the substance or mixture
EU regulations	
Authorization and/or restr	ictions 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 product 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 10 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);
	EU regulations Authorization and/or restr Authorizations: Restrictions:



Page 18 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

	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	
	-	

SECTIO	ON 16	Other information			
16.1.	Indi	cation of changes:	-		
16.2.	Abbreviations and acronym		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.		literature references and rce of data:	-		
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	icatior	according to CLP	Classification procedure		
_			-		
16.5.	Rele	evant H statements (num	per and full text)		
		226	Flammable liquid and vapor.		
		301+311+331	Toxic if swallowed, in contact with skin or if inhaled.		
		302+312+332	Harmful if swallowed, in contact with skin or if inhaled.		
		314	Causes severe skin burns and eye damage.		
	H:	315	Causes skin irritation.		
	п.	317	May cause allergic skin reaction.		
	319		Causes serious eye irritation.		
		335	May cause respiratory irritation.		
		341	Suspected of causing genetic defects.		
		350	May cause cancer.		
16.6.	Trai	ning advice:	-		



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

amended by Regulation (EU) No. 2020/878

Page 19 of 19

Trading name:	BOUIN'S SOLUTION				
Product code:	BOU-OT-X**	Revision date:	22 Dec 2022	Version:	7

		"X" in the product code marks different volumes (different packagings of the product)
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with
		instructions for use or improper use of the product described in this
		material safety data sheet.

**ANNEX:** Exposure scenario resulting to Chemical safety assessment



Page 1 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT				
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

SECTI	ON 1: Identification of	the substa	ance/mixture a	nd of the company/undertaking
1.1.	Product identifier			
	Trading name:	CHROM	IOTROPE 2R / AI	NILINE BLUE REAGENT
	Chemical name:	-		
	Catalogue number:	CABR-C	)T-X**	
1.2.	Relevant identified us	es of the s	ubstance or mix	ture and uses advised against
	Uses:		Blue counters	tain used with Gomori Trichrome kit.
	Uses advised against:		Only the iden	tified uses are advised.
device, registered at the Agency for Medicin		s intended for use only as an <i>in vitro</i> diagnostic medical ered at the Agency for Medicinal Products and Medical here is no reason to use it for other purposes		
1.3.	Details of the supplie	r of the saf	ety data sheet	
	Supplier:		BioGnost Ltd.	
	Address:		Medjugorska 59, Zagreb	
	Telephone number:		+385 1 2409997 +385 1 2404039	
	Fax no.:			
	e-mail of competent	person:	msds@biognost.hr	
	National contact:		-	
1.4.	Emergency telephone	number		
	National Protection a	National Protection and Rescue [		112
	National Protection a	na nescae		
	Medical information:	na nescae		+385 1 2348 342

SECTIO	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 category	code:	Hazard statements*:		
	Not identified as hazardous substa	ance.	-		
2.1.2.	Additional information				
	-				
*For ful	l text of Hazard- and EU Hazard-sta	tements: see S	ection 16		
2.2.	Label elements				
	Product identification:	CHROMOTRO	OPE 2R / ANILINE BLUE REAGENT		
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	_			



Page 2 of 16

Trading name:	CHROMOTROPE 2R / ANILI		ILINE BLUE REAGENT	
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

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

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	ECTION 4. First aid measures				
4.1.	Description of first aid meas	sures			
	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 a	ider:	Treat symptomatically.		
4.2.	Most important symptoms	and eff	ects, both acute and delayed		
	Following inhalation:	No i	nformation available		
	Following skin contact:	No i	nformation available		
	Following eye contact:	No i	nformation available		
	Following ingestion:	No i	No information available		
4.3.	Indication of any immediate	e medi	cal attention and special treatment needed		
	-				

SECTIO	SECTION 5 Firefighting measures		
5.1.	Extinguishing media		
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub>	
		Large fire - water spray or alcohol-resistant foam	



Page 3 of 16

Trading name:	CHR	OMOTROPE 2R / ANIL	OTROPE 2R / ANILINE BLUE REAGEN	
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

	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	ON 6. Accidental release meas	ures		
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 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.		
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.			



Page 4 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT			Т
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

SECTION	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. T	horoughly 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:	-		

SECTIO	SECTION 8. Exposure controls/personal protection							
8.1.	Control parameters							
Substance		CAS No	Occupational exposure limit values/short term values		Biological limit values			
			ppm	mg/m³				
-		-	-	-	No information available			
Substai name:	nce -							



Page 5 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT						
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version:	4		

EC No:	-		CAS No:	-					
DNEL									
					Inc	dustrial			
Route of		А	cute	,	Acut	e	Chronic	<b>c</b>	Chronic
exposure:		effe	ct local	effec	t sys	temic	effect loc	cal	effect systemic
Oral		-		-			-		-
Inhalation		-		_			-		-
Dermal		-		-			-		-
Critical phy	sical parar	meters: s	olubility, fla	ammability	, cor	rosivity:	-		
					Co	nsumer			
Route of		А	cute	,	Acut	e	Chronic	c	Chronic
exposure:		effe	ct local	effec	t sys	temic	effect loc	cal	effect systemic
Oral		-		-			-		-
Inhalation		-		-			-		-
Dermal		-		-			-		-
PNEC									
Environmer	ntal protec	ction targ	jet		PNEC				
Fresh water	•				No information available				
Freshwater	sediments	S			No information available				
Marine wat	er				No information available				
Marine sed	iments				No information available				
Food chain					No information available				
Microorgan	nisms in se	wage tre	eatment		No information available				
Soil (agricu	ltural)				No information available				
Air					No information available				
8.2.	Exposure	e control	S						
8.2.1.	Appropr	iate engi	neering co	ntrols					
	measures to prevent exposure			Use the product in well ventilated rooms. Use personal protective					
	during id			equipment. Do not eat, drink or smoke in the workspace.				workspace.	
	Structura exposure		res to prev	ent No	No information available				
	Organisa prevent		easures to e:		Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to prevent exposure:				Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				



Page 6 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT					
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4		

8.2.2.	Personal protection equip	oment					
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.				
8.2.2.2.	Skin protection						
	Hand protection:		ctive gloves must be according to the EU Directive 2016/425/EEC and eard 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:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.					
8.2.2.4.	Thermal hazards:	No inf	ormation available				
8.2.3.	Environmental exposure	controls					
	Substance/mixture relate measures to prevent expe		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:	purple- blue	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					



Page 7 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT						
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			

	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2.	Other information		
	-		

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

SECTION 11. Toxicological information								
11.1. Information	Information on toxicological effects							
Acute tox	Acute toxicity:							
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results			
Oral exposure:	No information available	-	LD <sub>50</sub>	-	-			
Dermal exposure:	No information available	-	LD <sub>50</sub>	-	-			
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-			
Specific target organ toxicity – single exposure (STOT SE):								
	Specific e	ffects	Target orgai	n	Note			



Page 8 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT						
Product code:	CABR-OT-X**	Da	ate of compilat	of compilation: 21 Dec 2022		Version: 4	
Oral exposure:	No informa	ation available	No infor	No information available -			
Dermal exposure	: No informa	ation available	No infor	mation availa	ble	-	
Inhalation expos	ure: No informa	ation available	No infor	mation availa	ble	-	
Respira	tory irritation:	N	lo information a	vailable			
Irritatio	n and corrosion						
1	Exposure tim	ne Spec	ies Eva	aluation	Method	Note	
Skin irritation:	· ·	-	-		-	-	
Eye irritation:	-	-	-		-	-	
Sensitiz	ation						
Dermal exposure	: No information	available					
Inhalation exposure:	No information	available					
•							
Sympto	ms related to the pl	hysical, chemic	al and toxicolog	gical characte	ristics		
Oral exposure:	No information	available					
Dermal exposure	: No information	available					
Inhalation exposure:	No information	available					
Eye exposure:	No information	available					
·	:						
Repeate	ed dose toxicity (sub	pacute, subchro	onic, chronic)				
	Dose	Exposure time	Species	Method	Evaluation	n Note	
Subacute oral	No information available	No information available	No information available	No informatio n available	No inform available	nation -	
Subacute dermal	No information available	No information available	No information available	No informatio n available	No inform available	nation -	
Subacute inhalation	No information available	No information available	No information available	No informatio n available	No inform available	nation -	
Subchronic oral	No information available	No information available	No information available	No informatio n available	No inform available	nation _	



Page 9 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT						
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			

			No	No		No			
Subchronic dermal	No availa	information able	information available	info	rmation lable	informatio n available	No infor available		-
Subchronic inhalation	nic No information		No information available			No informatio n available	No infor		-
Chronic ora	al No availa	information able	No information available		rmation lable	No informatio n available	No infor available		-
Chronic de	rmal No availa	information able	No information available		rmation lable	No informatio n available	No infor		-
Chronic inhalation	No availa	information able	No information available		rmation lable	No informatio n available	No infor available		-
Sp	pecific target		y – repeated e	xposu	re (STOT				
<u> </u>	1	•	cific effects			Target organ			Note
Subacute o			ation available			mation availab		-	
Subacute d			ation available			No information available - No information available -			
Subchronic			ntion available			mation availab		_	
Subchronic			ation available			mation availab		_	
Subchronic			tion available			mation availab		_	
Chronic ora			ntion available	n available 🏻 🗈 🗈 🗈 🗈 r		mation availab		-	
Chronic de	rmal	No informa	ntion available	n available N		mation availab	le	-	
Chronic inh	nalation	No informa	tion available		No infor	mation availab	le	-	
	MD -ff · /								
	arcinogenicity		y, mutagenicity		oductive i				
	lutagenicity <i>ii</i>	,			on availab				
	enotoxicity:			on availab					
	Mutagenicity <i>in-vivo</i> :								
М	Germ cell mutagenicity:			No information available  No information available					
		agenicity:	No info	rmatio	No information available				



**SECTION 12. Ecological information** 

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

Page 10 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT				
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

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:
	-

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

No information

available

information

available

72 hours

#### 12.2. Persistence and degradability

 $IC_{50}$ 

Algae/aquatic

Other organisms

plants



Page 11 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT				
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Marine vater No information available No information Available  Partition coefficient: n-octanol/water (log Kow):  Value Concentration pH  Concentration No information available  Chronic ecotoxicity  Value Dose Exposure time Species Method Evaluation No information available		n	ogradation b	alf_livo			Method			Evaluation		Note
vater No information available No information available Poinformation available Poinformation available No information available Poinformation Poinformation Poinformation Poinformation Poinformation Poinformation Poinformation Poinformation available Partition coefficient n-octanol/water (log Kow):  Value Concentration pH °C Method Evaluation Note Poinformation Poinform	Marina		egradation	all-live	3		Method			Lvaluation	<u> </u>	Note
No information available No information No information No information available No information No information No information No information No information available No information No information No information available No information available No information No information No information available No information No information No information No information available No information No informat	water	No	information a	availab	le	No info	rmation availab	ole	No inform	nation avai	lable	-
Biodegradation   Time (days)   Method   Evaluation   Note   No information available   No information   Note   No information   No informati	Fresh water	No	information a	availab	le	No info	rmation availab	ole	No inform	nation avai	lable	-
Biodegradation   Time (days)   Method   Evaluation   Note	٩ir	No	information a	availab	le	No info	rmation availab	ole	No inform	nation avai	lable	-
No pagnatation   Time (days)   Method   Evaluation   Note	Soil	No	information a	availab	le	No info	rmation availab	le	No inform	nation avai	lable	-
No pagnatation   Time (days)   Method   Evaluation   Note	Biode	earad	ation									
No information available   No information avai				vs)	8 8 8 8 8 8 8 8 8	M	ethod		Evaluatio	on l	N	lote
Partition coefficient: n-octanol/water (log Kow):   Value		n N	No info			No inform			information	on N	o informa	
Partition coefficient: n-octanol/water (log Kow):   Value												
Value     Concentration     pH     °C     Method     Evaluation     Note       No information available     No information available     No information available     No information available     No information Note       Value     Species     Method     Evaluation     Note       No information vailable     No information available     No information available     No information available       Chronic ecotoxicity     Value     Dose     Exposure time     Species     Method     Evaluation     Note       Chronic toxicity on fish     LC50     No information available     No information available     No information available     No information available     -			•									
No information available   No information available   No information available   No information available												
Bioconcentration factor (BCF)  Value Species Method Evaluation Note No information available available  Chronic ecotoxicity  Value Dose Exposure time Species Method Evaluation Note  Chronic toxicity on fish LC50 No information available available available No information available				p⊦	1							Note
Value         Species         Method         Evaluation         Note           No information available         No information available         No information available         No information available    Chronic ecotoxicity  Value  Dose  Exposure time  Species  Method  Evaluation  Note  No information available  No information available  No information available  No information available	_			-		_		1		nation	-	
Value         Species         Method         Evaluation         Note           No information available         No information available         No information available         No information available    Chronic ecotoxicity  Value  Dose  Exposure time  Species  Method  Evaluation  Note  No information available  No information available  No information available  No information available	Bioco	oncen	tration factor	(BCF)								
No information available  Chronic ecotoxicity  Value  Dose  Exposure time  No information available  Species  Method  Evaluation  No information available					N N N N N N N N N N N N N N N N N N N	М	ethod		Evaluat	ion		Note
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	No information No information			No information I								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$												
Thronic toxicity on fish  LC <sub>50</sub> No information available  Species  Method  Evaluation  Note No information available  No information available  No information available  No information available	Chro	nic ec	otoxicity									
Chronic toxicity on fish LC <sub>50</sub> information available information available information available   No information available   -	Valu	ne	De	ose			Species	Ŋ	Method	Evalu	ation	Note
Thronic toxicity on FC <sub>50</sub> No No No No information -	Chronic toxici	ty on	fish LC <sub>50</sub>		infor		information	info	ormation			_
SINGING CONTERVOIT : FOUR FINO FINO FINO FINO FINO HIDITIALION F	Chronic toxici	tv on	EC <sub>50</sub>		No		No	No	)	No infor	mation	-



Page 12 of 16

Trading name:		Т		
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

crustac	ea (D	aphnia)		information available	infor availa	mation able	information available	available	
12.4.	Mol	bility in so	il						
12	1		dicted distributi	on in environm	nental (	compart	ments:		
	·		n available			compan			
	-	face tensic							
		Value	°C	Concentr	ation		Method		Note
	No info	rmation lable	No informati available	No		No inf	ormation avail	able -	
	Ads	orption / o	desorption						
Transpo	ort	-	coefficient 's constant	log Kow		Evaporation rate		Method	Note
Soil-wa	ater				o inform ⁄ailable	ation	No information available	-	
Water-a	air	No available	information	No information		o inform ⁄ailable	ation	No information available	-
Soil-air		No available	information	No information			ation	No information available	-
							·		
12.5.	Res	ults of PBT	and vPvB asses	ssment					
	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.	End	ocrine dis	rupting properti	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.	Oth	er adverse	effects						
	No information available								



Page 13 of 16

Trading name:	CHROMOTROPE 2R / ANILINE BLUE REAGENT					
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4		

SECTION	N 13. Disposal considerati	ons			
13.1.	Waste treatment method				
13.1.1.	Product/Packaging dispo	osal:			
	3 3 .	e legal person authorized by the Ministry of Environmental and Nature			
13.1.2.	Waste codes/waste design	gnations according to Law:			
	No information available				
13.1.3.	Waste treatment – releva	ant information:			
	No information available				
13.1.4.	3.1.4. Sewage disposal – relevant information:				
	-	osed of into the sewage system.			
13.1.5.	Other disposal recomme	ndations:			
	Do not dispose of the product's remains into the sewage system. Submit the remains to the colle authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. So the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places ignition may occur.				
13.1.6.	Relevant Community pro	visions:			
	-				
SECTION	N 14. Transport informati				
	Transporting/shipment by .				
UN num		Not subject to transport regulations.			
	per shipping name: rt hazard class(es):				
Packing group: Environmentally hazardous:		-			
	precautions for user:	-			
<b>_ '</b>	Transporting/shipment by	rail (RID)			
UN num		Not subject to transport regulations.			
UN proper shipping name: -					



Page 14 of 16

Trading name:	CHR	т		
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Inland waterway transport (ADN	)			
UN number:	Not subject to transport regulations.			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmentally hazardous:	-			
Special precautions for user:	-			
Transporting/shipment by sea (I	Transporting/shipment by sea (IMDG)			
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:	-			
Special precautions for user:	-			
Further information: -				

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



Page 15 of 16

Trading name:	CHR	OMOTROPE 2R / ANILINE BLUE REAGENT			
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	None	
15.2.	Chemical safety assessme	ent
	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
	Information according 1999/13/EC about limitation of emissions of volatile organic compound guideline)	
	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);

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		



#### **SAFETY DATA SHEET**

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

Page 16 of 16

Trading name:	CHR	OMOTROPE 2R / ANILINE BLUE REAGENT		
Product code:	CABR-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

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)			
Classification		Classification procedure		
_		-		
16.5.	Relevant H statements (number and full text)			
	H: -	-		
16.6.	Training advice:	-		
		** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

#### ANNEX:

**Exposure scenario resulting to Chemical safety assessment** 



### SAFETY DATA SHEET

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

Page 1 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT				
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

SECTI	ION 1: Identification of	the substan	ce/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trading name:	REAGENT	FOR DIFFERE	NTIATION IN GOMORI TRICHROME KIT	
	Chemical name:	-			
	Catalogue number:	RDG-OT-	X**		
1.2.	Relevant identified us	Relevant identified uses of the substance or mixture and uses advised against			
	Uses:		Reagent for	differentiation.	
	Uses advised against:		Only the ide	ntified 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 p	person:	msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone	number			
	National Protection a	nd Rescue D	irectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and category code: Hazard statements*:					
	Not identified as hazardous substance					
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-stat	tements: see S	ection 16			
2.2.	Label elements					
	Product identification:	REAGENT FO	R DIFFERENTIATION IN GOMORI TRICHROME KIT			
	Identification number: -					
	Authorization no.: -					
	Hazard pictograms: -					



Page 2 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT				
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

	Signal word:	-			
	Hazard statements:	-			
	Precautionary statements:	-			
	Further information:	-			
2.3.	Other hazards				
	Endocrine Disrupting Properties:				
	No known endocrine disrupting properties				
	<b>Results of PBT and vPvB assessment</b> : 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)	
64-19-7/ 200-580-7/ 607-002-00-6	-	0.2 – 0.3 %	acetic acid, glacial 99%	Flam. Liquid 3; H226 Skin Corr. 1A; H314	

SECTIO	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	



Page 3 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT				
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

	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 ignit Do not contaminate the environm			

SECTIO	ON 6. Accidental release meas	ures		
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 (s	see Section 8).		
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Natio 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			



Page 4 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT				
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

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:	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. Thorough	ghly 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	SECTION 8. Exposure controls/personal protection					
8.1.	Control parameters					
	Substance	CAS No	Occupational exposure limit values/short term values	Biological limit values		



Page 5 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT					
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4		

								1		
						ppm	mg/m³			
-			-			-	-	No inform	ation available	
Substance name:	<b>–</b>									
EC No:	<u>-</u>		CAS No:	-						
DNEL										
					Inc	dustrial				
Route of		A	Acute		Acut	e	Chroi	nic	Chronic	
exposure:		effe	ect local	eff	ect sys	temic	effect l	ocal	effect systemic	
Oral		-		-			-		-	
Inhalation			-			-		-		
Dermal -			-			-		-		
Critical physical parameters: solubility, flammab		mmabil	ity, cor	rosivity:	-					
Consumer										
Route of Acute		Acute		Chronic		Chronic				
exposure:		effe	ect local	eff	ect sys	temic effect local		effect systemic		
Oral		-		-			-		-	
Inhalation		-		-			-		-	
Dermal		-		-			-		-	
PNEC										
Environmer	ntal protec	tion tar	get			PNEC				
Fresh water						No information available				
Freshwater	sediments	S				No information available				
Marine wat	er					No information available				
Marine sed	iments					No information available				
Food chain						No information available				
Microorgan	isms in se	wage tr	eatment			No information available				
Soil (agricul	ltural)					No information available				
Air						No inform	mation availabl	е		
8.2.	Exposure	contro	ls							
8.2.1.	Appropr	iate eng	ineering cor	ntrols						
		s to pre	re related vent exposu l uses:	re :		•	n well ventilate ot eat, drink or		e personal protective e workspace.	



Page 6 of 17

Trading name:	REAGENT FO	R DIFFERENTIATION II	N GOMORI TRICHI	ROME KIT
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

	Structural measures to prexposure:	event	No information available				
			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 equip	oment					
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.				
8.2.2.2.	Skin protection						
			tive 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 expe		See Section 6				
	Structural measures to prevent exposure:		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				

SECT	SECTION 9. Physical and chemical properties						
9.1.	Information on basic physical and o	chemical properties					
	Value Method						
	Physical state:	liquid	No information available				
	Colour:	colourless	No information available				
	Odour/odour threshold:	No information available	No information available				
	Melting point / freezing point:	No information available	No information available				



Page 7 of 17

Trading name:	REAGENT FO	R DIFFERENTIATION II	N GOMORI TRICHI	ROME KIT
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

	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
9.2.	Other information		
	-		

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

SECTION 11. Toxicological information						
11.1. Information on toxicological effects						
Acute toxic	Acute toxicity:					
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results	
Oral exposure:	No information available	-	LD <sub>50</sub>	-	-	



Page 8 of 17

Trading name:	ing name: REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT								
Product code:	RDG-OT-X**	DG-OT-X** Date of cor		mpilation: 21 Dec 2022			Version: 4		
Dermal exposure	No information	on -		LD <sub>50</sub> -		_			
Inhalation exposure:	No information	on -		LC <sub>50</sub> -		-			
Specific	target organ toxicit				·			Nata	
	N	Specific effect	ts		arget o			Note	
Oral exposure:		ntion available				n available	-		
Dermal exposure	ntion available				n available	-			
Inhalation expos	ntion available		INO INTO	nnatio	n available	-			
Respira	N	lo information	availabl	e					
Irritatio	n and corrosion								
	Exposure tim	ie S	Species	Evalu	ation	Method		Note	
Skin irritation:	-	-		-		-	-		
Eye irritation:	-	-		-		-	_		
Sensitiz	ation								
Dermal exposure	e: No information	available							
Inhalation exposure:	No information	available							
Sympto	ms related to the pl	nysical, chemic	al and toxicol	ogical ch	aracter	istics			
Oral exposure:	No information	available							
Dermal exposure	e: No information	available							
Inhalation exposure:	No information	available							
Eye exposure:	No information	available							
Repeate	ed dose toxicity (sub	acute, subchro	onic, chronic)						
	Dose	Exposure time	Species	Met	hod	Evaluation	1	Note	
Subacute oral	No information available	No information available	No information available		rmatio ailable	No inform available	ation	-	



Subchronic inhalation

Chronic oral

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

Page 9 of 17

Trading name:	REAGENT FO	R DIFFERENTIATION II	N GOMORI TRICHI	ROME KIT	
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Subacute dermal	No information available	No information available	No information available	No informatio n available	No information available	<b>-</b>
Subacute inhalation	No information available	No information available	No information available	No informatio n available	No information available	-
Subchronic oral	No information available	No information available	No information available	No informatio n available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No informatio n available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No informatio n available	No information available	-
Chronic oral	No information available	No information available	No information available	No informatio n available	No information available	-
Chronic dermal	No information available	No information available	No information available	No informatio n available	No information available	_
Chronic inhalation	No information available	No information available	No information available	No informatio n available	No information available	_

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

available

available

information

No

No information available

No information available



Page 10 of 17

Trading name:	REAGENT FO	R DIFFERENTIATION I	N GOMORI TRICHI	ROME KIT	
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Chronic	dermal	No information	n available	No information - available					
Chronic inhalation No information			n available	No information - available					
	CMR effects	(carcinogenicity r	nutagenicity re	productive toxicity)					
	Carcinogenic			tion available					
	Mutagenicity		No informa	tion available					
	Genotoxicity:		No informa	tion available					
	Mutagenicity	in-vivo:	No informa	No information available					
	Germ cell mu	ıtagenicity:	No informa	lo information available					
	Reproductive	e toxicity:	No informa	No information available					
	Summary of	evaluation of the	CMR properties	: -					
11.2	Information of	on other hazards:							
11.2.1.	Endocrine dis	srupting propertie	es:						
	contain con have endocr according to Commission 2017/2100 c	nnce/mixture donponents considerine disrupting per REACH Article Delegated regular Commission R	57(f) or - ation (EU) egulation						
11.2.2.	Other inform	ations:							
	-								

<b>SECTION</b>	12. Ecolog	ical inf	formation
----------------	------------	----------	-----------

#### 12.1. Toxicity

Acute toxicity	Dose Exposure time Species Method		Evaluation	Note		
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	1
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-



Page 11 of 17

Trading name:	REAGENT FO	R DIFFERENTIATION I	N GOMORI TRICHI	ROME KIT	
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

Algae/aquatic plants		8 days	No information available	No information available	-	-
Microorganisms	LC <sub>50</sub>	72 hours	-	-	_	-
Chronic toxicity	Fynosu		Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	intormation		-
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 No information available available		No information available	No information available	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	-



Page 12 of 17

Trading	g name:	•	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT								KIT	
Produc	ct code:	RI	OG-OT-X**		Date	e of co	mpila	ation:	21 De	2022	Versi	on: 4
							-		:		·	i .
	Biocon	centrat	ion factor (Bo	CF)								
V	Value Species				М	lethod			Evalua	tion		Note
No info	nformation No information		No inforn	nation		No	o informat	ion	No info	rmation		
availabl	le	ava	ailable		available			av	ailable		availabl	е
	Chroni	c ecoto	xicity									-
	Value Dose E:		Exposure time	Spe	ecies		Method	Evalua	ation	Note		
				No		No		No	_	No inform	mation	
Chronic	toxicity	on fish	LC <sub>50</sub>		information available		information available		formation ailable	available		-
						No	bie					
	toxicity		EC <sub>50</sub>	No in	formation			No n int	formation	No information		_
crustace	ea ( <i>Daph</i>	nnia)			ailable				ailable	available		
			·	·				·				
12.4.	Mobilit	ty in soi	il									
	Known	or pred	dicted distrib	ution i	n environn	nental c	omp	artmei	nts:			
	No info	ormatio	n available									
	Surface	e tensio	n:									
	Val	ue	°C		Concentr	ration			Method			Note
	No		No inform	ation	No							
	inform		available	ation	informati	on	No	information available		lable	-	
	availab	le			available							
	Adsorp		desorption									
Transpo	ort	-	'D coefficient		log	g Kow			oration	Method		Note
		неі	nry's constan	ι					rate	No		
Soil-wa	ter N	o inforr	mation availa	ble	No ir availabl	nformat e	ion	No infori availa	mation able	No informatio available	n -	
	<u>i</u>				<u>i</u>						<u>i</u>	



Page 13 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT						
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4			
	İ	•		i i			

			•	:	•
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	-
12.5. R	esults of PBT and vPvB assessme	ent			
а	he substance/mixture does not o ccording to REACH Article 57(f) o egulation (EU) 2018/605 at levels	or Commission Delega			
12.6. E	ndocrine disrupting properties				
а	he substance/mixture does not o ccording to REACH Article 57(f) o egulation (EU) 2018/605 at levels	or Commission Delega			
12.7. C	ther adverse effects				
N	lo information available				
SECTION	13. Disposal considerations				
13.1.	Waste treatment methods				
13.1.1.	Product/Packaging disposal:				
	Submit for disposal to the legal Protection.	person authorized by	the Ministry of	Environmental	and Nature
13.1.2.	Waste codes/waste designation	s according to Law:			
	No information available	- accaramig ac _am			
13.1.3.	Waste treatment – relevant info	rmation:			
	No information available				
13.1.4.	Sewage disposal – relevant info	rmation:			
	Waste must not be disposed of		m.		
	The state of the s	s and semage system	· · · · ·		
13.1.5.	Other disposal recommendation	ns:			



#### **SAFETY DATA SHEET**

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

Page 14 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME K				
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

	authorized by the ministr	oduct's remains into the sewage system. Submit the remains to the collectors y in charge. Do not dispose of the packaging into the sewage system. Submit ectors authorized by the ministry in charge. Do not dispose of in places where
13.1.6.	Relevant Community pro	visions:
	-	
	:	
SECTIO	N 14. Transport information	on
	Transporting/shipment by	road (ADR)
UN num	ber:	Not subject to transport regulations.
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	mentally hazardous:	-
Special	precautions for user:	-
	Transporting/shipment by	rail (RID)
UN num	ber:	Not subject to transport regulations.
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	mentally hazardous:	-
Special <sub>I</sub>	orecautions 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 <sub>I</sub>	orecautions for user:	-
	Transporting/shipment by	sea (IMDG)
UN num	ber:	Not subject to transport regulations.
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	mentally hazardous:	-
Special <sub>I</sub>	orecautions for user:	-



Page 15 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT					
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4		

Transporting/shipment by	
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:  Further information: -	-

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



Page 16 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT				
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

	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	6. Other information			
16.1.	Ind	ication of changes:	-		
16.2.	•		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.		ssification and procedure used 2/2008 (CLP)	to derive the classification for mixture according to Regulation (EC)		
Classifi	cation	٦	Classification procedure		
-			-		
16.5.	Rele	evant H statements (number a	nd full text)		
	H:	226	Flammable liquid and vapour.		
		314	Causes severe skin burns and eye damage.		
16.6.	Trai	ining advice:	-		
16.7.	Fur	ther 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 amended by Regulation (EU) No. 2020/878

Page 17 of 17

Trading name:	REAGENT FOR DIFFERENTIATION IN GOMORI TRICHROME KIT				
Product code:	RDG-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

-



Page 1 of 17

Trading name:	FERRI REAGENT, WEIGERT B					
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:	-				



Page 2 of 17

Trading name:		FERRI REAG	ENT, WEIGERT B		
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

	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 it		
	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				



Page 3 of 17

Trading name:		FERRI REAGE	EAGENT, WEIGERT B		
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

	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 <sub>2</sub> 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).				



Page 4 of 17

Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

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.			



Page 5 of 17

Trading name:					FER	RI REAG	ENT, WEIGER	T B		
Product code: FI		FR-OT-	<b>X</b> **	R	evisio	n date:	21 Dec 202	2 Ver	rsion:	5
	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 <sup>3</sup>	BIC	ologicai ii	imit values
Hvdro	Hydrogen chloride		7647-0	01-0	1	5/10	8/15			
<b>y</b>	9			<u> </u>			-, -			
Substa	-									
EC No:	:		CAS No:	-						
DNEL										
					Ind	ustrial				
Route expos			Acute ect local	Acute effect syst			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				



Page 6 of 17

Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

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 t		ve gloves must be according to the EU Directive 2016/425/EEC and 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.			



Page 7 of 17

Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

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

١.	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.			



Page 8 of 17

Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

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 toxic	city:					
Route of exposure:	Method	Species	Effective dose $LD_{50}/LC_{50}$ or $ATE_{mixture}$	Exposure t	ime Results	
Oral exposure:	No information available	-	LD <sub>50</sub>	-	-	
Dermal exposure:	No information available	-	LD <sub>50</sub>	-	-	
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-	
Specific ta	rget organ toxicity – si	ngle exposure (S	TOT SE):			
	Specifi	c effects	Targe	t organ	Note	
Oral exposure:	No information a	available	No informati	on available	-	
Dermal exposure:	No information a	available	No informati	No information available -		
Inhalation exposure	e: No information a	available	No informati	-		
Respirator	y irritation:	No inform	nation available			
Irritation a	nd corrosion					
:	Exposure time	Species	Evaluation	Method	Note	
Skin irritation:	-	rabbit	-			
Eye irritation:	-	rabbit	-			
Sensitizatio	on					
Dermal exposure:	No information avail	able				
nhalation exposure:  No information available						
Cumanta	rolated to the shurt-	l chamical and t	ovicelegical share	actorictics		
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 vomiting	



Page 9 of 17

Trading name:	FERRI REAGENT, WEIGERT B					
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5	

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 neezing, headache and nausea.					
FI/A AVNOSIIIA.		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			



Page 10 of 17

Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

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



Page 11 of 17

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

Fish	LC <sub>50</sub>	96 hours	-	No information available	-	-
Crustacea:	EC <sub>50</sub>	48 hours	-	No information available	-	-
Algae/aquatic plants	IC <sub>50</sub>	8 days	-	No information available	-	-
Microorganisms	LC <sub>50</sub>	72 hours	-	-	-	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	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	No information available	No information available	No information available	No information available		

#### 12.3. Bioaccumulative potential



Page 12 of 17

Tradin	ig name:				F	ERRI F	REAGE	NT, W	/EIGERT	В		
Produ	ct code:	FR-OT	Γ-X**		Rev	ision d	ate:	21 De	ec 2022	Ve	ersion:	5
	i		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	<b>V</b> 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 <sub>50</sub>	No infor avail	mation able	No infori availa	mation able	No infor avail	rmation lable	No information available		-
	c toxicity o		EC <sub>50</sub>	No infor avail	mation able	No infor 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



Page 13 of 17

Trading name:	FERRI REAGENT, WEIGERT B					
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5	

						<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	ΓIONS						
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:								



Page 14 of 17

Trading name:	FERRI REAGENT, WEIGERT B					
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5	

	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 INFORI	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	nentally 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	nentally 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	nentally 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:		-		



Page 15 of 17

Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

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 prod	luct is not subject to classification.				

5.1. Safety, health and env	Safety, health and environmental regulations/legislation specific for the substance or mixture								
EU regulations	EU regulations								
Authorization and/or	Authorization and/or restrictions of use								
Authorizations:	-								
Restrictions:	-								
Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;  Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use 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);								



Page 16 of 17

Trading name:	FERRI REAGENT, WEIGERT B				
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5

	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	
	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 used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)						
Classif	ication	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 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.					



#### **SAFETY DATA SHEET**

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

Page 17 of 17

Trading name:	FERRI REAGENT, WEIGERT B					
Product code:	FR-OT-X**	Revision date:	21 Dec 2022	Version:	5	

ANNEX:
EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT
-



Page 1 of 18

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, WEIGERT A				
	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 advis	ed against:	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:	BioGno		ost Ltd.		
	Address:	Medjugorska 5		59, Zagreb		
	Telephone number:	+385	1 2409997	9997		
	Telefax:	+385 1 24040		1039		
	e-mail of competent po	erson: <u>msds@biogno</u>		<u>nost.hr</u>		
	National contact:	-				
1.4.	Emergency telephone number					
	National Protection an	d Rescue Directo	rate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification						
2.1.	Classification of the substance or mixture	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC	C) 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	full text of Hazard- and EU Hazard-statements: see Section 16						
2.2.	Label elements						
	Product identification: HEMATO	OXYLIN, WEIGERT A					



Page 2 of 18

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

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

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



Page 3 of 18

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

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
---	------	--------------	---

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 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



Page 4 of 18

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

	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO <sub>2</sub> 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:	Incomplete combustion of the product.			
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				
	-				

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 situatio use recommended means of personal protection.				
6.1.2.	For emergency respond	ers:				
	Self-contained open-cir dissipation (fireproof cle	•	cuit compressed air breathing apparatus, a set for protecting the body from heat thing).			
6.2.	Environmental precauti	ons:	ns:			
	·	•	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, sa	and, 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).				



Page 5 of 18

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

6.4.	Reference to other sections
	-

SECTIO	TION 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 incompa	itibilities				
	Technical measures and storage conditions:	Keep in a well-ventilated place. Keep away from heat and 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:	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:	-				
7.3.	Specific end use(s)					
	Recommendations: -					
	Industrial sector specific solutions:					

SECTION 8. Exposure controls/personal protection								
8.1.	Control parameters							
Substance		CAS No	Occupational exposure limit values/short 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	-/-	-			



Page 6 of 18

ic							
nol)							
nol)							
ene							
Consumer							
ic							
nol)							
nol)							
ne							
PNEC  0.96 mg/l (ethanol)							
10 mg/l (ethylene glycol)							
1 mg/l (ethylene glycol)							
n							



Page 7 of 18

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

Air			no information available				
8.2.	Exposure controls  Engineering measures						
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 preve 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						
			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:	During everyday work use cotton clothing and suitable foot such as rubber boots or shoes that cover the entire foot. In spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, his 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 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:		dapt the work process to the required working conditions of he workplace.				
	Technical measures to prevent exposure:	See	See Section 6				



Page 8 of 18

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

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
	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:	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.				



Page 9 of 18

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

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 <sub>50</sub> or	Expo tin			Result	S
Oral:	No information available	rat	LD <sub>50</sub>	- 7.712			(ethanol) ylene glycol) droquinone)		
Dermal:	No information available	rabbit	LD <sub>50</sub>		-		>20.000 mg/kg (ethanol) >3.500mg/kg (ethylene glycol) 367.3 mg/kg (hydroquinone)		
Inhalation:	No information available	rat	LC <sub>50</sub>		4 h (ethan	ol)	>8.000	) mg/l (etha	nol)
Specif	fic target organ toxicit		posure (S	TOT SE):					
0.1		cific effects		Target organ  No information available -				Note	
Oral:	No information							-	
Dermal: Inhalation:	No information				ormatio ormatio			_	
IIIIIaiatiOII.	NO IIIIOIIIIatioii	available		INO IIIIC	Jillatio	ıı avalı	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 damage/irritati	on -	-		-		-		No available	information
Sensit	ization:								
Skin sensitizati	on: No information	available							
Respiratory sensitization:	No information	available							



Page 10 of 18

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

C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	hugigal altarati	al and tavias!	iaal abara starist	iaa					
Oral exposure:	It may lead to loss of conscio	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).								
Dermal exposure	: Defatting, dry	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.	Splatter may cause discomfort, stinging sensation, conjunctival redness, corneal surface lesions.								
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	_				



Page 11 of 18

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

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	-		
Subchroni	ic oral	No infor	mation available		No information av	ailable	_		
Subchroni	ic dermal	No infor	mation available		No information av	ailable	_		
Subchroni	ic inhalation	No infor	mation available		No information av	ailable	_		
Chronic or	ral	No infor	mation available		No information av	ailable	_		
Chronic de	ermal	No infor	information available		No information available		-		
Chronic in	halation	No infor	mation available		No information av	ailable	_		
C N	Carcinogenicity: Mutagenicity <i>in</i>		ty; mutagenicity,	Suspecte No infor	ed of causing canc				
	Genotoxicity:				Suspected of causing genetic defects.				
	Mutagenicity in				No information available				
	Germ cell mutaç	<del>-</del>			No information available  No information available				
K	Reproductive to	oxicity:		INO INTOR	mation available				
	Summary of properties:	evaluation	of the CM	R					
11.2. Ir	nformation on	other haza	rds:						
11.2.1. E	Endocrine disrupting properties:								
	No known endocrine disrupting properties that affect human health.								
11.2.2. C	Other information	ons:							
-									

SECTION	ON 12	2. Ecoloc	iical inf	ormation:
JEC III	<b>914 1</b> 4	LCOIOC	gicai iiii	Oi illa tioli.

12.1. Toxicity



Page 12 of 18

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

Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol) 0.638 mh/l (hydroquinone)	-
Crustacea:	EC <sub>50</sub>	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 <sub>50</sub>	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 <sub>50</sub>	96 hours	No information available	No information available	No information available	_
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	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	-



Page 13 of 18

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

	-										
	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							
	/alue			Species		Method		Evaluation		Not	
No info availab		on	No in availa	formation	1	No informatio available		No information available	No information 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 <sub>50</sub>	inform		information available	information		ilable	_
					availal	oie		available			
Chronic		-		EC <sub>50</sub>	No inform	nation	No information	No information	1	information	_
crustacea (Daphnia)			availal		available	available	available				
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	



Page 14 of 18

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

	_	rmation lable	No information available	No information available	No information available	-		
	۸۵۰	ovation / d						
Transpo		-	coefficient 's constant	log Kow	Evaporation rate	Method	Note	
Soil-wa	iter	No available	information	No information available	No information available	No information available	-	
Water-a	air	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	-	
12.5.	This	substance		ins no components		ther persistent, bioacels of 0.1% or higher.	cumulative and	
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.						
12.6.	The acco	substance, ording to R	/mixture does r EACH Article 5	not contain compon 7(f) or Commission	Delegated regulatio			
	The acco Reg	substance, ording to R	/mixture does r EACH Article 5 I) 2018/605 at l	not contain compon 7(f) or Commission	Delegated regulatio			
	The according Region Other	substance, ording to R ulation (EU er adverse	/mixture does r EACH Article 5 I) 2018/605 at l	not contain compon 7(f) or Commission l evels of 0.1% or hig	Delegated regulatio			
12.7.	The accc Reg	substance, ording to R ulation (EU er adverse adverse eff	/mixture does r EACH Article 5 I) 2018/605 at l	not contain compon 7(f) or Commission l evels of 0.1% or hig	Delegated regulatio			
12.7. <b>SECTIO</b>	Othe No a	substance, ording to R ulation (EU er adverse adverse eff	/mixture does r EACH Article 5 I) 2018/605 at I effects ects are expect	not contain compon 7(f) or Commission l evels of 0.1% or hig	Delegated regulatio			
12.7. <b>SECTIO</b> 13.1.	Other No a Price Sur	substance, ording to Rulation (EU er adverse eff.  Disposal aste treatmoduct/Paci	/mixture does r EACH Article 5 D) 2018/605 at I effects fects are expect consideration nent methods	not contain compon 7(f) or Commission levels of 0.1% or hig eed.	Delegated regulation her.		Commission	
12.6.  12.7.  SECTIO 13.1.  13.1.1.	Other No a Superior W	substance, ording to Rulation (EU er adverse eff adverse eff aste treatmoduct/Paclubmit for dotection.	/mixture does reEACH Article 5 (2) 2018/605 at I	not contain compon 7(f) or Commission levels of 0.1% or hig eed.	Delegated regulation her.	on (EU) 2017/2100 or	Commission	



Page 15 of 18

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

13.1.3.	Waste treatment – relevan	t information:			
	No information available				
13.1.4.	Sewage disposal – relevant	t information:			
	Waste must not be dispose	ed 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 when ignition may occur.				
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:	II .			
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 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:	-			



#### **SAFETY DATA SHEET**

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

Page 16 of 18

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

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	ON 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:	-				



Page 17 of 18

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

		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 1999/13/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, Transport of Hazardous Substances Act	
15.2.	Chemical safety assessme	ent	

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:	-		



#### **SAFETY DATA SHEET**

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

Page 18 of 18

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

16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classifi	Classification		Classification procedure		
-			-		
16.5.	5. Relevant H statements (numl		ber and full text)		
		225	Highly flammable liquid and vapor.		
		302	Harmful if swallowed.		
		317	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.	Training advice:		-		
16.7. Further information:			** "X" in the product code marks different volumes (different packaging of the product)		
		ther information:	We are not responsible for consequences in case of failure to comply wit instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX:

**EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT**