

# VAN GIESON TRICHROME KIT

The kit contains:

Ferri reagent, Weigert B Fuchsin Acid Van Gieson reagent Hematoxylin, Weigert A



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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 advi	sed against:	medical d	uct is intended for use only as an <i>in vitro</i> diagnostic evice, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes	
1.3.	Details of the supplier	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 p	person: <u>m</u>	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	SECTION 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 substance						
2.1.2.	Additional information						
	-						
*For ful	l text of Hazard- and EU Hazard-sta	atements: see Se	ection 16				
2.2.	Classification according to EC Dire	ective Nr. 1272/	2008 CLP)				
	Product identification:	FERRI REAGEN	NT, WEIGERT B				
	Identification number: -						
	Authorization no.:						
	Hazard pictograms:	-					



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	Signal word:	-		
	Hazard statements:	-		
	Precautionary statements:	-		
	Supplemetal hazard information (EU):	-		
2.3.	Other hazards			
	Endocrine Disrupting Properties	s:		
	No known endocrine disrupting p	properties		
	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not			
	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)		
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 ef	fects, both acute and delayed			



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

SECTIO	SECTION 5 FIREFIGHTING MEASURES				
5.1.	Extinguishing media				
	Suitable extinguishing media:  Small fire - water spray, dry powder, CO <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	For non-emergency personnel				
	Protective equipment: Use personal protective equipment (see Section 8).					
	Accident prevention methods: Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.					
	Emergency procedures: Mark the area using proper signs.					
6.1.2.	For emergency responders:					
	Wear protective equipment (see Section 8).					



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6.2.	Environmental precautions:						
		Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.					
6.3.	Methods and material for cor	ntainment and cleaning up					
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.					
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.					
6.3.3.	Other information:	-					
6.4.	Reference to other sections						
	-						

SECTIO	ON 7 HANDLING AN STORAGE				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.			
	Measures to prevent aerosol and dust generation	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. The	proughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incomp	patibilities			
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.			
	Packaging materials:	Manufacturer's original packaging.			
	Requirements for storage rooms and vessels.	Keep away from food and drink. Keep the containers tightly closed.			
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.			



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Produ	ıct code:	FR-OT-	<b>X</b> **	R	evisio	n date:	21 Dec 202	2 Ver	rsion:	5
	Further ir	ner 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 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	ological limit values	
Hvdro	gen chloride	<u> </u>	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 systemic			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		-		-			-		-	
Inhalation		-			-		-			
Derma	al	-		-			-		-	
PNEC										
Environmental protection target					PNEC					
Fresh v	water					No information available				
Freshw	vater sedime	ents				No infor	mation availabl	е		_
Marine water				No information available						



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Marine se	diments			No information available			
Food chai	n			No information available			
Microorga	anisms in sewage treatment			No information available			
Soil (agric	ultural)			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:		_	zation of work in order to reduce other worker's influence work process.			
	Technical measures to pre exposure:	event		proper workspace ventilation in order to keep tration 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	Skin protection					
	Hand protection:		ard EN 37 Glove n Glove tl	es must be according to the EU Directive 2016/425/EEC and 4.  naterial: nitrile rubber  hickness: ≥0.50 mm  hrough time: >480 min			
	Other skin protection:	Wear antistatic		atic clothing made of natural fibers (such as cotton) with long 13034), 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 prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.				



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

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

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



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Hazardous decomposition products: No information available. 10.6.

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



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Dermal exposure	2:			•	orption effects are ensation of skin.	e not likely. Long	-term exposu
Inhalation expos	ure:		-	s of vapors in i che and nause	nadequately vent a.	ilated perimeter	may cause
Eye exposure: Direct eye co			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	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		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	No information available		No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available		No information available	No information available	No information available	No information available	-
Specific	targe	et organ tovicit	v – reneated e	xposure (STOT	RE)·		
Specific	tai ge		pecific effects		Target orga	an	Note
Subacute oral			ation available	N1 -	information avai		



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Subacu	te dermal	No informatio	n available	No information available	_			
Subacu	te inhalation	No informatio	n available	No information available	-			
Subchro	onic oral	No informatio	n available	No information available	-			
Subchro	onic dermal	No informatio	n available	No information available	-			
Subchro	onic inhalation	No informatio	n available	No information available	-			
Chronic	oral	No informatio	n available	No information available	-			
Chronic	dermal	No informatio	n available	No information available	-			
Chronic	inhalation	No informatio	n available	No information available	-			
				roductive toxicity)	prein aganis offacts			
	Carcinogenicity			s on test animals did not indicate ca				
	Mutagenicity i	n-vitro:	Current <i>in vitro</i> tests did not indicate mutagenic effects.  No information available					
	Genotoxicity:	n vivo:			c offocts			
	Mutagenicity <i>i</i> Germ cell muta		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							
	higher.							
11.2.2.	Other informations:							

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



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Fish	LC <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	adation			
% Degradation	Time (days)	Method	Evaluation	Note
No information available				

### 12.3. Bioaccumulative potential



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	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 information No informa		mation	No infa	ormatic ole	on	No i avail	nformation	on	No info availabl	rmation le		
	Chronic 6	ecotoxicit	y									
Value Dose Ex				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 avail	rmation lable	No in availa	formation ble	-
12.4.	Mobility	in soil										
	1		d distribu	ition in 4	nvironn	nental c	ompar	tmanta				
		nation av				incintal C	.ompai	ciits	·			
	Surface t		anabic									
	Value		°C	С	oncentra	ation		Met	thod			Note
	No informati available	No ion info	ormation ailable	No	informa ailable		No in	format		_		
	Adsorption	on / deso	rption									
Transp	ort	A/D coef	ficient	lo	og Kow	Εν	/aporati	ion rat	e	Method	ł	Note



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						<u> </u>					
Soil-wa	ter No available	information	No information available	No information available	No information available	-					
Water-a	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.	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 disrupting properties										
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.										
12.7.	Other adverse	effects									
	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:										



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	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.				
13.1.6.	Relevant Community provisions:				
	-				
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	mentally hazardous:	-			
Special p	precautions for user:	-			
	Transporting/shipment by	rail (RID)			
UN number:		Not subject to transport regulations.			
UN prop	er shipping name:	-			
Transpo	rt hazard class(es):	-			
Packing	group:	-			
Environr	mentally hazardous:	-			
Special p	precautions for user:	-			
	Inland waterway transport	(ADN)			
UN num	ber:	Not subject to transport regulations.			
UN prop	er shipping name:	-			
Transpo	rt hazard class(es):	_			
Packing	group:	-			
Environr	mentally hazardous:	-			
Special p	precautions for user:	-			
	Transporting/shipment by	sea (IMDG)			
UN number:		Not subject to transport regulations.			
UN proper shipping name:		-			
Transport hazard class(es):		-			
Packing	group:	-			
Environr	mentally hazardous:	-			
Special precautions for user:		-			



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

5.1. Safety, health and env	Safety, health and environmental regulations/legislation specific for the substance or mixture			
EU regulations				
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);			



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Trading name:		FERRI REAGE	NT, 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 assessment			
	None			

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

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Trading name:	FERRI REAGENT, WEIGERT B					
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ANNEX:
EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT
-



### **SAFETY DATA SHEET**

# amended by Regulation (EU) No. 2020/878

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

SECTI	ON 1: Identification of	the substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name:	FUCHSIN A	CID VAN (	GIESON REAGENT		
	Chemical name:	-				
	Catalogue number:	FAG-OT-X*	FAG-OT-X**			
1.2	Relevant identified use	es of the subst	tance or n	nixture and uses advised against		
	Uses:		For use	with special staining kits.		
	Uses advised against:		Only the	identified uses are advised.		
	Reason why uses advi	sed against:	device, r	duct is intended for use only as an <i>in vitro</i> diagnostic medical registered at the Agency for Medicinal Products and Medical and there is no reason to use it for other purposes.		
1.3	Details of the supplier	of the safety	data shee	t		
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection ar	National Protection and Rescue Direct Medical information:		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 cat	egory code:	Hazard statements*:			
	Not identified as hazardous	substance.	-			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Haza	rd-statements: see S	SECTION 16			
2.2	Label elements					
	Product identification:	FUCHSIN ACID	VAN GIESON REAGENT			
	Identification number: -					
	Authorization number: -					
	Hazard pictograms: -					



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Trading name:		FUCHSIN ACID VAN GIESON REAGENT				
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	Signal word:	-		
	Hazard statements:	-		
	Precautionary statements:	-		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	<b>Endocrine Disrupting Propert</b>	ies:		
	No known endocrine disrupting	g properties		
	<b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is no PBT or a vPvB.			

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

4.1	Description of first aid measures		
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.	
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.	
	Self-protection of the first aider:	-	



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

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

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



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

SECTIO	ON 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.		
	Measures to prevent aerosol and dust generation:		Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	well ventil	phtly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.		
	Packaging materials:	Manufactu	curer's original packaging.		
	Requirements for storage rooms and vessels:  Keep away tightly close		ay from food and drink. Keep the containers osed.		
	The storage must be remark to the storage must be remarked to the storage and the storage must be remarked to the storage and		e must be made of hard material; floors esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper .		



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

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



Food chain

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

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no information available

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



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

In	formation on basic physical and	chemical properties	
		Value	Method
Pl	nysical state:	liquid	No information available
C	olour:	red	No information available
0	dour/odour threshold:	no information available/no information available	No information available
Μ	lelting point / freezing point:	No information available	No information available
	oiling point or initial boiling oint and boiling range:	No information available	No information available
FI	ammability:	No information available	No information available
Lo	over and upper explosion limit:	No information available	No information available
Fl	ash point:	No information available	No information available
Α	uto-ignition temperature:	No information available	No information available
D	ecomposition temperature:	No information available	No information available
pl	H:	No information available	No information available
Ki	nematic viscosity:	No information available	No information available
So	olubility:	No information available	No information available
	artition coefficient n- ctanol/water (log value):	No information available	No information available
V	apour pressure:	No information available	No information available
D	ensity and/or relative density:	No information available	No information available
Re	elative vapour density:	No information available	No information available
Pa	article characteristics:	No information available	No information available
0	ther information		

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



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

11.1 Inform	ation on haz	zard classes	as defined in	n Regula	ation (EC) No 12	272/20	800		
Acute 1	toxicity:								
Route of exposure:	М	ethod	Species	Dos	e LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	E	Exposure tir	ne	Results
Oral:	No inf availat	ormation ole	-	No information available			-		-
Dermal:	No inf availat	ormation ble	-	No information available			-		-
Inhalation:	No inf availat	ormation ble	-	No ir availa	nformation able		-		-
Specifi	c target org	an toxicity –	single expo	sure (ST	OT SE):				
		Specific	effects		Target organ				Note
Oral:	No inf	ormation av	ailable		No information available			-	
Dermal:	No inf	ormation av	ailable		No information available			-	
Inhalation:	No inf	ormation av	ailable		No information	n availa	able	-	
Aspirat	tion hazard:		No	o inform	ation available.				
			3						
Irritatio	on and corro	sion							
		Exposure t	ime	Specie	es Evalua	tion	Method		Note
Skin corrosion/irritat	ion:		-		-		-	-	
Serious eye damage/irritatio	on -		-		-		-	-	
Sensiti	zation								
Skin sensitizatio	n:	No inforr	nation availa	able.					
Respiratory sens	sitization:	No inforr	nation availa	able					



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



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

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



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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>	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <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	-

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

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



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



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

	Adsorption / desorption				
Transport	A/D coefficient t Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-wate	No information available	No information available	No information available	No information available	-
Water-air	No information available	No information available	No information available	No information available	-
Soil-air	No information available	No information available	No information available	No information available	-
	Results of PBT and vPvB asse The substance/mixture does		onents considered to	n have endocrine d	isrunting properties
3	according to REACH Article 5 Regulation (EU) 2018/605 at	7(f) or Commission	n Delegated regulat		
12.6. I	Endocrine disrupting propert	ies			
(	The substance/mixture does according to REACH Article 5 Regulation (EU) 2018/605 at	7(f) or Commission	n Delegated regulat		
12.7	Other adverse effects				
	No further relevant informati	on available.			
SECTION	I 13. Disposal consideration	S			
13.1	Waste treatment methods				
13.1.1.	Product/Packaging disposa	l:			
13.1.1.	Product/Packaging disposal Submit for disposal to the I Protection.		rized by the Ministr	y of Environmental	and Nature
13.1.1.	Submit for disposal to the I	egal person autho		y of Environmental	and Nature
	Submit for disposal to the I Protection.	egal person autho	D Law:		
	Submit for disposal to the I Protection.  Waste codes/waste designated to the I Protection.	egal person autho ations according to ontains residual ha	D Law:		
13.1.2.	Submit for disposal to the I Protection.  Waste codes/waste designated to the I Protection.  15 01 10*: Packaging that consults and the I Protection.	egal person autho ations according to ontains residual ha	D Law:		



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Trading name:	FUCHSIN ACID VAN GIESON REAGENT				
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Waste must not be disposed of into the sewage system.			
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.			
Relevant Community provision	ons:		
Disposal must be made acco	rding to official regulations.		
I 14 TRANSPORT INFORMAT	ION		
Transporting/shipment by roac	(ADR)		
oer:	Not subject to transport regulations		
er shipping name:	-		
t hazard class(es):	-		
group:	-		
entally hazardous:	-		
recautions for user:	-		
Transporting/shipment by rail (	(RID)		
per:	Not subject to transport regulations		
er shipping name:	-		
t hazard class(es):	-		
group:	-		
entally hazardous:	-		
recautions for user:	-		
Inland waterway transport (AD	N)		
per:	Not subject to transport regulations		
er shipping name:	-		
t hazard class(es):	-		
group:	-		
nentally hazardous:	-		
recautions for user:	-		
Transporting/shipment by sea (IMDG)			
per:	Not subject to transport regulations		
er shipping name:	-		
t hazard class(es):	-		
group:	-		
	Other disposal recommendated Do not dispose of the product authorized by the ministry in the packaging to the collector Relevant Community provision Disposal must be made accordant Transporting/shipment by road per:  Ber shipping name:  It hazard class(es):  In group:  Ber shipping name:  It hazard class(es):  Ber shipping name:  Inland waterway transport (AD per:  Ber shipping name:  It hazard class(es):  Ber shipping name:  It hazard class(es):		



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Trading name:	FUCHSIN ACID VAN GIESON REAGEN		SON REAGENT		
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Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC.	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

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



# **SAFETY DATA SHEET**

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

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

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

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

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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Trade name:	HEMATOXYLIN		N, 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	Relevant identified uses of the substance or mixture and uses advised against			
	Uses:		For use ir	n special staining kits.	
	Uses advised against:		Only the	identified uses are advised.	
	Reason why uses advised against:		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:	BioGr	nost Ltd.	ost Ltd.	
	Address:	Medj	djugorska 59, Zagreb		
	Telephone number:	+385	1 2409997		
	Telefax:	+385	1 2404039		
	e-mail of competent po	erson: <u>msds</u>	<u>@biognost.h</u>	<u>nr</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			
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	For full text of Hazard- and EU Hazard-statements: see Section 16			
2.2.	Label elements			
	Product identification: HEMATO	OXYLIN, WEIGERT A		



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	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				



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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 eff	Most important symptoms and effects, both acute and delayed			
	Following inhalation:	May cause eye irritation and upper respiratory system (stinging sensation, irritation). Bronchoconstriction is possible. Possible symptoms include CNS symptoms such as headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration.			
	Following skin contact:	Defatting, dry skin.			
	Following eye contact:	Splatter may cause discomfort, stinging sensation, conjunctival redness, corneal surface lesions.			
	Following ingestion:	It may lead to occurrence of strong sensation of stinging, headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration. If denaturants are present, dyspepsia may occur (such as vomiting).			
4.3.	Indication of any immediate medic	cal attention and special treatment needed			
	No information available				

#### **SECTION 5. Firefighting measures**

5.1. Extinguishing media



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	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO <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	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	rotective equi	pment and emergency procedures		
6.1.1.	For non-emergency per	rsonnel			
	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	Secure a safety zone, remove all ignition sources, and in case of an accident prevention methods:  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 symbol of flame and devices that cause sparks.  Remove or neutralize all factors that may exacerbate the condition, use all allowed means of containing the situation are use recommended means of personal protection.			
	Emergency procedures:				
6.1.2.	For emergency respond	ders:	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:			
	·	•	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	Sawdust, sand, mineral adsorbents		
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112).			



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6.4.	Reference to other sections
	-

SECTIO	ON 7. Handling and storage			
7.1.	Precautions for safe handling			
7.1.1.	Protection measures			
	Measures to prevent fire:		Keep away from sources of ignition and heat. Do not use tools that cause sparks.	
	Measures to prevent aerosol and dust generation:		Secure proper ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		-	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incompa	atibilities		
	Technical measures and storage conditions:	•	a well-ventilated place. Keep away from d direct solar radiation.	
	Packaging materials:	Manufa	cturer's original packaging.	
	Requirements for storage rooms and vessels:	•	vay from food and drink. Keep the ers tightly closed.	
	Advices for storage equipment:	The storage must be made of hard material; floor must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secuproper 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	-/-	-			



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Trade name:	e name: <b>HEMATOXYLIN, WEIGERT A</b>					
Product code:	HEMA-OT-X**	Date of cor	npilation:	21 Dec 2022	Version: 5	
;				i	i i	
Substance: -						
EC No: -	CAS No:	-				
DNEL		·				
		Ind	lustrial			
Doute of avecause.	Acute	Acut	e	Chronic	Chronic	
Route of exposure:	effect local	effect sys	temic	effect local	effect systemic	
Oral	-	-		-	-	
Inhalation	1900 mg/m <sup>3</sup> (ethanol)	-		35 mg/ kg	380 mg/m³ (ethanol)	
	(ethanol)			(ethylene glycol)	242 mg/kg (athanal)	
Dermal	_	_		_	343 mg/kg (ethanol) 106 mg/kg (ethylene	
Cimai				glycol)		
Critical physical parar	neters: solubility, fla	mmability, cor	rosivity:		·	
		Cor	nsumer			
Acute Acute		e	Chronic	Chronic		
Route of exposure:	effect local	effect systemic		effect local	effect systemic	
Oral	Oral	-		-	-	
Inhalation	950 mg/m <sup>3</sup>	_		7 mg/kg	114 mg/m³ (ethanol)	
middiation	(ethanol)			(ethylene glycol)	TTTTIIg/III (etilalioi)	
					206 mg/kg (ethanol)	
Dermal	-	-		-	53 mg/kg (ethylene glycol)	
PNEC					giycoi)	
Environmental protect	tion target		PNEC			
Livirorimental protect	turget		0.96 mg/l (ethanol)			
Fresh water			10 mg/l (ethylene glycol)			
			3.6 mg/kg (ethanol)			
Freshwater sediments	S		37 mg/kg (ethylene glycol)			
Marina watar			0.79 mg/l (ethanol)			
Marine water			1 mg/l (e	thylene glycol)		
Marine sediments			2.9 mg/k	g (ethanol)		
Marine Scaments			3.7 mg/k	g (ethylene glycol)		
Food chain				mg/kg kg (ethanol)		
Microorganisms in sewage treatment			_	(ethanol)		
<u> </u>			<u> </u>	y/l (ethylene glycol)		
Soil (agricultural)			_	kg (ethanol)		
( <b>g</b> ) ( )			1.53 mg/kg (ethylene glycol)			



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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 prever exposure:	nt	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to prevent exposure:		See Section 7.2				
8.2.2.	Personal protection equipment						
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.					
8.2.2.2.	Skin protection	Skin protection					
	2016/4		tective gloves must be according to the EU Directive 6/425/EEC and standard EN 374.				
	Hand protection:	Glove material: nitrile rubber Glove thickness: ≥0.50 mm					
			Break through time: >480 min				
	Other skin protection:	such a spilling suitabl	g everyday work use cotton clothing and suitable footwear, s rubber boots or shoes that cover the entire foot. In case of g hazard, use clothing made of impermeable material le for protection from liquid chemicals (Viton, PVC, himex) ootwear made from the same material.				
8.2.2.3.	Respiratory protection:	with a	tive full face mask (EN 136) or half mask (EN 140) equipped filter for organic vapors, type "A" (boiling point >65°C) ng to EN 14387) used when concentration levels exceed GVI.				
8.2.2.4.	Thermal hazards:	No inf	ormation available				
8.2.3.	Environmental exposure controls						
	Substance/mixture related measures to prevent exposure:	See	e Section 6				
	Structural measures to prevent exposure:	Use	e modern equipment.				
	Organisational measures to prevent exposure:		dapt the work process to the required working conditions of the workplace.				
	Technical measures to prevent exposure:	See	ee Section 6				



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ĺ	Information on basic physical an	d chemical properties	
		Method	
	Physical state:	liquid	No information available
	Colour:	brown	No information available
	Odour/odour threshold:	ethanol like/no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flash point:	20°C	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	pH:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available

SECTIO	SECTION 10.: Stability and reactivity					
10.1.	Reactivity:	The product is stable under normal working and storage conditions.				
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).				
10.3.	Possibility of hazardous reactions:	Risk of explosion after contact with strong acids, alkali metals, alkali metal oxides, nitric acid, oxidizing substances.				
10.4.	Conditions to avoid:	High temperatures, ignition sources, open flame.				



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

	oxicological informa		dia D	- 1: (5.0	V NL 40	72 /200	NO.		
	nation on hazard class	ses as define	d in Regul	ation (EC	.) No 12	72/200	)8		
Route of exposure:	Method	Species		re dose .C <sub>50</sub> or	Expo tin			Result	S
Oral:	No information available	rat	LD <sub>50</sub>		_		7.060 mg/kg (ethanol) 7.712 mg/kg (ethylene gly 367.3 mg/kg (hydroquino		ylene glycol)
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	Jillatioi	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							



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Trade name:		HEMATOXYLIN	I, WEIGERT A		
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C	was valatad to the	hugigal altarati	al and taviasis	vigal above stavist	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	_				



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Chronic inhalation			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	exicity:		INO INTOR	mation available				
	Summary of properties:	evaluation	of the CM	R					
11.2. Ir	nformation on	other haza	rds:						
11.2.1. E	Endocrine disrupting properties:								
	No known endocrine disrupting properties that affect human health.								
11.2.2. C	Other information	ons:							
-									

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

12.1. Toxicity



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Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <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	-



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	-										
	Biod	legrad	dation								
% Deg	gradati	on	Ti	me (days)		1	Method	Evaluation	1	Note	9
_			_		_			_		-	
12.3.				potential							
	-			ent: n-octa							
Valu	ıe	Со	ncentra	ition	рН	°C	Method	Evaluati	on	No	te
-		<b>-</b>		-		-	-	-		-	
		oncer	ntration	factor (Bo							
	/alue			Species		Method		Evaluation		Not	
No info availab		on	No in availa	formation	1	No information		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	ava	ilable			
12.4.	Mob	oility i	n soil								
	Knov	wn or	predict	ted distrib	ution in e	environr	nental compart	ments:			
	No i	nform	nation a	vailable							
	Surfa	ace te	nsion:								
	\	√alue		°C	С	oncentr	ation	Method		Note	



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	_	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 accc	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	



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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 inland		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

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Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC.	AO-TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Further information: -	

SECTION	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:	-				



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		18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency,	
		amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;	
	Other EU regulations:	Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;	
		Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;	
		Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;	
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);	
	Information according 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	
	None		

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



#### **SAFETY DATA SHEET**

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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 (numb		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 wi instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX:

**EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT**