

MARTIUS SCARLET BLUE (MSB) KIT

VERSION 4

The kit contains:

Acid alcohol

Aniline Blue, solution

Ferri reagent, Weigert B

Hematoxylin, Weigert A

Martius Yellow, solution

Phosphotungstic acid, 1% solution

Ponceau S, solution



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

Page 1 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

1.1	Product identifier	ine substance	mixture	e and of the company/undertaking	
	Trading name:	ACID ALCOH	HOL		
	Chemical name:	-			
	Catalogue number:	KA-OT-X**			
1.2	Relevant identified use	es of the subst	ance or n	nixture and uses advised against	
	Uses:		Reagent method	t for differentiation during regressive hematoxylin staining .	
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advis	The product is intended for use only as an <i>in vitro</i> diagnomial device, registered at the Agency for Medicinal Products Devices and there is no reason to use it for other purpos			
1.3	Details of the supplier of the safety data sheet				
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:	-			
1.4	Emergency telephone	Emergency telephone number			
	National Protection and Rescue Dire		ctorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance	Classification of the substance or mixture			
2.1.1	Classification according to Regu	ulation (EC) No 12	.72/2008 (CLP)		
	Hazard class and catego	ory code:		Hazard statements*:	
	Flam. Liq. 2		H225		
2.1.2.	Additional information				
	-				
*For ful	ll text of Hazard- and EU Hazard-	statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	ACID ALCOHOL			
	Identification number:	-			
	Authorization number:	-			



Page 2 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

	Hazard pictograms:	GHS02		
	Signal word:	Danger		
	Hazard statements:	H225 Highly flammable liquid and vapor.		
	Precautionary statements:	P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	The product has no other known specific hazards for human or environment.			
	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.			
	Endocrine disrupting property	r: Based on available data, does not contain endocrine disruptors.		

SECTION 3. Co	SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	70 - 90 %	ethanol	Flam. Liq. 2; H225	
7647-01-0/ 231-595-7/ 017-002-00-2	-	< 1 %	hydrochloric acid, 37%	Skin Corr. 1B; H314 STOT SE 3; H335	

SECTIO	SECTION 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:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.			



Page 3 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting. Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.	
	Self-protection of the first aider:	-	
4.2	Most important symptoms and eff	fects, both acute and delayed	
	Following inhalation:	Inhalation of larger quantities may affect the central nervous system.	
	Following skin contact:	Prolonged or repeated dermal contact may cause the defatting and dryness of the skin.	
	Following eye contact:	May irritate the eyes.	
	Following ingestion:	Ingestion of larger quantities may affect the central nervous system.	
4.3	Indication of any immediate medical attention and special treatment needed		
	If larger quantities have entered the body, obtain medical treatment (gastric lavage, activated carbon).		

SECTI	ECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Extinguishing powder, alcohol-resistant foam, water, carbon-dioxide.			
	Unsuitable extinguishing media:	Water with full jet.			
5.2	Special hazards arising from the su	ubstance or mixture			
	Hazardous combustion products:	Highly flammable liquid and vapour. In case of fire, smoke, and other combustion products (carbon monoxide, carbon dioxide) may be formed, the inhalation of such combustion products can have serious adverse effects on health. Vapours may form an explosive mix with air. Vapours may be ignited by open flames, sparks, electrical equipment, or static charge. Vapours may travel to great distances, ignite in contact with ignition sources and flash back to the primer source (container). Vapours of ethyl alcohol mix greatly with air and may form an explosive mixture. Air containing 3.3 – 19 % ethyl alcohol vapours may explode in contact with ignition sources. Diluting the mixture with large amounts of water results in the loss of its flammability (around 10 % concentration of ethyl alcohol).			
5.3	Advice for firefighters				
	Wear full protective clothing and s water spray. Use water spray to dis	elf-contained breathing apparatus. Cool the fire affected containers with ssipate alcohol vapours.			



Page 4 of 17

Trading name:		ACID ALCOHOL			
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

5.4	Additional information
	-

SECTIO	ON 6. Accidental release measu	ires			
6.1	Personal precautions, protectiv	e 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.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	ventilation. Vapours may accur	nd clothing and inhaling gases, vapours and aerosols. Ensure adequate nulate at floor level in low and confined spaces. Remove all heat, ignition thines. Ignition spark arrestor must not be operated in the danger area. Use the risk of slipping.			
6.2	Environmental precautions:				
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.				
6.3	Methods and material for conta	ainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.			
6.3.2.	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal.				
6.3.3.	()ther information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).			
6.4	Reference to other sections				
	See Section 7 for information o	on safe handling.			
	See Section 8 for information on personal protection equipment.				
	See Section 13 for disposal information.				

SECTIO	SECTION 7. Handling and storage			
7.1	Precautions for safe handling			
7.1.1.	Protection measures			



Page 5 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generatio	n:	Ensure adequate ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	patibilities			
	Technical measures and storage conditions: un fro		Store in a well-ventilated place, protected from sunlight away from sources of heat and ignition, in its origina unopened and hermetically sealed packaging, away from oxidizing agents, food, feed and articles of consumption.		
	Packaging materials:	Manufactu	Manufacturer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away	y from food and drink. Keep the containers sed.		
	Advices for storage equipment:		ge must be made of hard material; floors must nt to chemicals. There must be no drain that eads into sewage system. Secure proper n.		
	Further information on storage conditions:		ace the unused material in the storage room not use empty containers for storing other . Do not store with incompatible materials (see)).		
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

SECTION 8. Exposure controls/personal protection						
8.1 Control parameters						
Substance	Occupational exposure limit Substance CAS No values/short term values		Biological limit values			
		ppm mg/m³		<u>-</u>		
Ethanol	64-17-5	1000/-	1900/-	-		
Hydrogen chloride	7647-01-0	5/10	8/15	-		
		•				



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

Page 6 of 17

Trading na	ime:					ACID ALCOHOL					
Product co	de:	KA-OT-	X**		Revisio	on date:		21 Dec 2022		Version:	7
	i				:					:	;
Substance r	name:	-									
EC No:		-	CAS No	:	-						
DNEL											
					Inc	dustrial					
Route of		Acu	ite	A	Acute		Ch	ronic		Chronic	
exposure:		effect	local	effect	systemic	2	effe	ct local	€	effect systemic	
Oral		-		-		-			-		
Inhalation		1900 mg (ethanol)		-		-			380 mg	/m³ (ethanol)	
Dermal	,	-		-		-			343 mg	/kg (ethanol)	
Critical phys	sical para	meters: s	olubility,	flamma	bility, cor	rosivity:		-			
					Co	nsumer					
Route of		Ad	cute	A	Acute		Ch	ironic		Chronic	
exposure:		effec	t local	effect	t systemic	С	effe	ct local	€	effect systemic	
Oral		-		-		-			87 mg/l	kg bw/day (eth	anol)
Inhalation		950 m (ethan	_	-		-			114 mg	/m³ (ethanol)	
Dermal		-		-		-			206 mg	/kg (ethanol)	
PNEC											
Environmen	ıtal prote	ction tar	get			PNEC					
Fresh water	ı					0.96 mg/l (ethanol)					
Freshwater	sediment	ts				3.6 mg/kg (ethanol)					
Marine wate	er					0.79 mg/	'l (eth	anol)			
Marine sedi	ments					2.9 mg/kg (ethanol)					
Food chain						380-720 mg/kg (ethanol)					
Microorgan	isms in s	ewage tre	eatment			580 mg/l (ethanol)					
Soil (agricul	tural)					0.63 mg/kg (ethanol)					
Air						no inforr	natior	n available			
8.2	Exposur	re contro	ls								
8.2.1.	Approp	riate eng	ineering	controls							
	Substance/mixture related measures to prevent exposure during identified uses:		concentr concentr existing	ation ation scient	limit it is the levels down to	e employ o a minir ological	vith no contro er's duty to k num achievable means, where o workers.	eep by			



Page 7 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

	Structural measures to prevent exposure:		In accordance with Section 7.		
	exposure: ir		Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent ex	posure:	In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation. Use non-sparkling ventilation system.		
			Provide appropriate personal protective equipment, safety shower and eye-wash station.		
8.2.2.	Personal protection equipment				
8.2.2.1.	Eye and face protection:		propriate, chemical-proof protective glasses/face shield (EN 321-1:2022, EN 166).		
8.2.2.2.	2.2.2. Skin protection				
	Hand protection:	Use ap	propriate, chemical-resistant protective gloves (EN 374).		
	Other skin protection:	Use ap	propriate protective clothing.		
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If necessary also are a self-contained breathing apparatus. For short t and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).		
8.2.2.4.	Thermal hazards:	No the	rmal hazards known.		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:		odern equipment.		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.		
	Technical measures to prevent exposure:	See Se	ction 6		

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



Page 8 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

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
Lower and upper explosion limit:	No information available	No information available
Flash point:	21 °C	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
рН:	1.2 – 1.5 (20°C)	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
Other information		

SECTION	SECTION 10. Stability and reactivity				
10.1	Reactivity:	See Section 10.5.			
10.2	Chemical stability:	Stable within normal temperature and general work conditions.			
10.3	Possibility of hazardous reactions:	See Section 10.5.			
10.4	Conditions to avoid:	Keep away from heat, sparks, open flames, strong heating and ignition sources. No smoking.			
10.5	Incompatible materials:	Strong oxidizing agents (inorganic strong acid, nitric acid, perchlorates, peroxy compounds, perchloric acid, permanganates etc.), alkali metals, alkali earth metals.			
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide.			

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



Page 9 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

Product code: KA-OT-X**		Revi	Revision date: 21 De		2022	Version: 7		
Route of exposure:	Method	Species	Dose LD ₅₀ /		Exposure tin	ne Results		
Oral:	-	rat (ethanol)	LD ₅₀)	-	7.060 mg/kg		
Dermal:	-	rabbit (ethanol)	LD ₅₀)	-	>20.000 mg/		
Inhalation:	-	rat (ethanol)	LC ₅₀)	4 h	>8.000 mg/l		
Specific ta	arget organ to	xicity – single expos	ure (STOT SE):	<u> </u>				
·	S	pecific effects		Target org	an	Note		
Oral:	No informat	tion available	No info	ormation ava	ilable	-		
Dermal:	No informat	tion available	No info	ormation ava	ilable	-		
Inhalation:	No informat	tion available	No info	ormation ava	ilable	-		
Irritation a	and corrosion							
:	Expc	sure time	Species	Evaluation	Method	Note		
Skin corrosion/irritation	- :	-		-	-	-		
Serious eye damage/irritation	-	-		-	-	-		
Sensitizati	ion							
Skin sensitization:	No	information availab	ole.					
Respiratory sensitiz	zation: No	information availab	ole.					
Symptom	s related to the	e physical, chemical	and toxicolog	gical characte	eristics			
Oral exposure:	unconsci		poisoning. In	case of swall	owing great o	nkenness, euphoria, quantities, nausea and liver cirrhosis.		
Dermal exposure:		After prolonged or repeated exposure symptoms may include: defatting, dryness and cracking of skin.						
Inhalation exposur	e: Inhalatior membrar		may cause diz	zziness, euph	oria and mild	irritation of the mucou		
_								

Repeated dose toxicity (subacute, subchronic, chronic)

May cause irritation and redness.

Eye exposure:



Page 10 of 17

Trading name:	ACID ALCOHOL					
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7	

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

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



Page 11 of 17

Trading name:	ACID ALCOHOL					
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7	

Chronic	inhalation	No information availabl	e	No information available -		
	CMR effects (c	arcinogenicity; mutagenic	ity; re	eproductive toxicity)		
	Carcinogenicit	y:	Bas	sed on available data, the classification criteria are not met.		
	Mutagenicity	in vitro:	Bas	sed on available data, the classification criteria are not met.		
	Genotoxicity:			sed on available data, the classification criteria are not met.		
	Mutagenicity in vivo:			sed on available data, the classification criteria are not met.		
	Germ cell mut	agenicity:	Based on available data, the classification criteria are not			
	Reproductive toxicity: Based on available data, the classification criteria are not					
	Summary of properties:	evaluation of the (CMR	Based on available data, the classification criteria are not met.		
	·					
11.2	Information o	n other hazards:				
11.2.1.	Endocrine disr	rupting properties:				
	Based on ava	ilable data, does not cor ruptors.	ntain			
11.2.2.	Other informa	tion:				
	-					

SECTION 12. Ecological information								
12.1 Toxicity								
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC ₅₀	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-		
Crustacea:	EC ₅₀	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-		
Algae/aquatic plants	IC ₅₀	4 days	algae	No information available	5.000 mg/l / 7d (ethanol)	-		
Other organisms	-	-	-	_	-	-		
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		



Page 12 of 17

Trading name:	ACID ALCOHOL					
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7	

Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	_	-	-	-	-

12.2 Pers	istence and degradability			
Abio	otic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

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

12.3 Bioac	cumulative potential					
Octar	ol-water partition	coefficien	t (log Ko	w)		
Value	Concentration	рН	°C	Method	Evaluation	Note
Log Pow: ~ 0.32	-		-	-	The product does not bioaccumulate	
		•		_	_	



Page 13 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

,			on factor (BCF)			10thod	F.	value+'			Note
	Value		Species			Method		valuatio			Note
BCF: 0.	.66	No ava	inform ailable	ation	No info	ormation le	No info		on	-	
	Chronic	ecoto	xicity								
	Value		Dose		osure ime	Species	Meth	nod	Eval	uation	Note
Chroni	ic toxicity o	on fish	LC ₅₀	No infor avail	mation able	No information available	No in inform availab		No inform availa		-
	ic toxicity o		EC ₅₀	No infor avail	mation able	No informatio available	No inform availab		No inform availa		-
12.4	Mobility	/ in soi	l								
<u> </u>	Known	or prec	dicted distributi	on in e	environm	ental comp	artments:				
			dicted distributi n available	on in e	environm	ental comp	artments:				
		rmatio	n available	on in e	environm	ental comp	artments:				
	No info	rmatio tensio	n available		environm oncentra		artments:	od			Note
	No info	rmation tension te	n available n:	C		tion tion No			-		Note
	No informa	rmation tension te	n available n: °C No information	C	oncentra informa	tion tion No	Metho		-		Note
	No information available	rmation tension te tion e	n available n: °C No information	C	oncentra informa	tion tion No	Metho				Note
Transp	No informa available	tension tension tension e tion e	n available n: °C No information available	No ava	oncentra informa	tion tion No ava	Metho	n	Method		Note
	No information available available port	tension tension tension e tion e	n available n: °C No information available lesorption 0 coefficient ry's constant information	No ava	oncentra informa iilable og Kow	tion No ava	Methorinformatio ilable ration rate	n	Method		Note
Transp	No information available atter	tension tensio	n available n:	lo No ir availa	oncentra informa ailable og Kow nformation	tion No ava Evapor No info	Methorinformation ilable ormation rate ormation le	No ir avail	Method nformat able	ion	Note



Page 14 of 17

Trading name:		ACID AL	COHOL		
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

12.5	Results of PBT and vPvB assessment					
	Based on available data, the product does n	ot contain any PBT or vPvB substances.				
12.6.	Endocrine disrupting properties					
	Based on available data, does not contain e	ndocrine disruptors.				
12.7.	Other adverse effects					
	Do not let the product or its residues reach	sewer system, waterways and soil.				
SECTIO	ON 13. Disposal considerations					
13.1	Waste treatment methods					
13.1.1.	3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Submit for disposal to the legal person au Protection.	thorized by the Ministry of Environmental and Nature				
	Flotection.					
13.1.2.	. Waste codes/waste designations according	g to law:				
	, ,	us substances or is contaminated with hazardous substances				
	1 10 19 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
13.1.3.	Waste treatment – relevant information:					
	No information available					
13.1.4.	Sewage disposal – relevant information:					
	Waste must not be disposed of into the s	ewage system.				
13.1.5.	the contract of the contract o					
	authorized by the ministry in charge. Do	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 authorize burnt.	d by the ministry in charge. Unused product residues may be				
13.1.6.						
15.1.0.	, ,	Disposal must be made according to official regulations.				
	Disposar mast be made according to ome	iai regulations.				
SECTIO	ON 14 TRANSPORT INFORMATION					
	Transporting/shipment by road (ADR)					
UN num						
	oper shipping name: Ethanol s	blution				
P. ol						



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

Page 15 of 17

Trading name:		ACID A	ALCOHOL		
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7
Transport hazard cla	255(25):	3			
	ass(es).				
Packing group:					
Environmentally haz		-			
Special precautions		-			
	ng/shipment by rail (R				
UN number:		1170			
UN proper shipping		Ethanol solution			
Transport hazard cla	ass(es):	3			
Packing group:		II			
Environmentally haz		-			
Special precautions		-			
<u>i</u>	erway transport (ADN)				
UN number:		1170			
UN proper shipping	ı name:	Ethanol solution			
Transport hazard cla	ass(es):	3			
Packing group:		II			
Environmentally haz	zardous:	-			
Special precautions	for user:	-			
Transporti	ng/shipment by sea (IN	MDG)			
UN number:		1170			
UN proper shipping	ı name:	Ethanol solution			
Transport hazard cla	ass(es):	3			
Packing group:		II			
Environmentally haz	zardous:	-			
Special precautions	for user:	-			
Transport in bulk a of MARPOL 73/78 a	ccording to Annex II and the IBC code:	-			
Transporti	ng/shipment by air (IC.	AO-TI/IATA-DGR)			
UN number:		1170			
UN proper shipping	ı name:	Ethanol solution			
Transport hazard cla	ass(es):	3			
Packing group:		II			
Environmentally haz	zardous:	-			
	for user:	_			



Page 16 of 17

Trading name:	ACID ALCOHOL				
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

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

SE	CTION 16. Other information	
16	5.1 Indication of changes:	-



SAFETY DATA SHEET ling to Regulation (EC) No. 1907/2

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

Page 17 of 17

Trading name:		ACID A	LCOHOL		
Product code:	KA-OT-X**	Revision date:	21 Dec 2022	Version:	7

16.2	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:	-		
16.4.	Classification and procedure (1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classif	cation	Classification procedure		
-		-		
16.5.	Relevant H statements (numb	er and full text)		
	H: 225	Highly flammable liquid and vapour.		
	314	Causes severe skin burns and eye damage.		
	335	May cause respiratory irritation.		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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

Page 1 of 16

Trading name:	ANILINE BLUE, SOLUTION				
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

1.1.	Product identifier				
	Trading name:	ANILIN	ANILINE BLUE, SOLUTION		
	Chemical name:	-			
	Catalogue number:	ABO-O	O-OT-X**		
1.2.	Relevant identified us	Relevant identified uses of the substance or mixture and uses advised against			
	Uses:		For used wit	h Martius Scarlet Blue kit.	
	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	person:	msds@biognost.hr		
	National contact: -		-		
1.4.	Emergency telephone number				
	National Protection and Rescue Directorat		Directorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	ION 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	ll text of Hazard- and EU Hazard-sta	tements: see S	ection 16		
2.2.	Label elements				
	Product identification:	ANILINE BLUI	E, SOLUTION		
	Identification number: -				
	Authorization no.: -				
	Hazard pictograms: -				



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

Page 2 of 16

Trading name:	ANILINE BLUE, SOLUTION				
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

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

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

SECTION	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: Following ingestion:		No information available		
			No information available		
	Self-protection of the first aider:		Treat symptomatically.		
4.2.	Most important symptoms and effects,		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 information available			
4.3.	Indication of any immediat	e medical attention and special treatment needed			
	-				

SECT	SECTION 5 Firefighting measures				
5.1.	Extinguishing media	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO ₂			
	Suitable extiliguishing media.	Large fire - water spray or alcohol-resistant foam			



Page 3 of 16

Trading name:	ANILINE BLUE, SOLUTION				
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

	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, protect	ive equipment and emergency procedures			
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Wear protective equipment (see Section 8).				
6.2.	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for 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				
	See Section 7 for information See Section 8 for information See Section 13 for information	about personal protective equipment.			



Page 4 of 16

Trading name:	ANILINE BLUE, SOLUTION						
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

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

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



amended by Regulation (EU) No. 2020/878

Page 5 of 16

Trading n	name: ANILINE BLUE, SOLUTION								
Product c	ode:	ABO-OT	-X**		Date o	f compila	tion:	21 Dec 2022	Version: 2
EC No:	-		CAS No:	-					
DNEL									
					Inc	dustrial	1		
Route of			cute		Acut			Chronic	Chronic
exposure:		effe	ct local		effect sys	temic		effect local	effect systemic
Oral		-		-			-		-
Inhalation		-		-			-		-
Dermal		-		-			-		-
Critical phy	/sical para	meters: s	olubility, fla	mma			- -		
						nsumer	1		T
Route of			cute		Acut			Chronic	Chronic
exposure:		effe	ct local		effect sys	temic		effect local	effect systemic
Oral		-		-			-		-
Inhalation		-		-			-		-
Dermal		-		-			-		-
PNEC									
Environme	•	ction targ	get			PNEC No information available			
Fresh wate									
Freshwater		S				No information available No information available			
Marine wa									
Marine sec								available	
Food chair								available	
Microorga		ewage tre	eatment					available	
Soil (agricu	ıltural)					No information available			
Air						No infori	mation	available	
0.0	_								
8.2.		e control							
8.2.1.			ineering co	ntrols					
		-	re related vent exposu	re		•			lse personal protective
		dentified	•		equipm	ent. Do no	ot eat, o	drink or smoke in t	he workspace.
	Structur		res to preve	ent	No info	rmation av	/ailable	2	
	Organisa		neasures to			ation of w		order to reduce otl	ner worker's influence
		al measu	res to preve	ent	Secure	proper wo	rkspac	e ventilation in ord ir below permitted	•



Page 6 of 16

Trading name:	ANILINE BLUE, SOLUTION						
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

8.2.2.	Personal protection equip	ment				
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	Skin protection					
	Hand protection:		ctive gloves must be according to the EU Directive 2016/425/EEC and ard EN 374. Glove material: nitrile rubber			
			Glove thickness: ≥0.50 mm Break through time: >480 min			
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long 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 related measures to prevent expo		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 pre exposure:	event	See Section 6			

SECTION 9. Physical and chemical properties					
9.1.	Information on basic physical and che	mical properties			
		Value	Method		
	Physical state:	liquid	No information available		
	Colour:	dark blue	No information available		
	Odour/odour threshold:	mild acetic acid like/no information available	No information available		
	Melting point / freezing point:	No information available	No information available		
	Boiling point or initial boiling point and boiling range:	No information available	No information available		
	Flammability:	No information available	No information available		
	Lower and upper explosion limit:	No information available	No information available		
	Flash point:	No information available	No information available		



Page 7 of 16

Trading name:	ANILINE BLUE, SOLUTION						
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	2.5 -3.5	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
2.	Other information		
	-		

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

11.1. Information	formation on toxicological effects							
Acute toxi	city:							
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results			
Oral exposure:	No information available	-	LD ₅₀	-	-			
Dermal exposure:	No information available	-	LD ₅₀	-	-			
Inhalation exposure:	No information available	-	LC ₅₀	-	-			



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

Page 8 of 16

Trading name:	ANILINE BLUE, SOLUTION						
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

Product code:	ABO-OT-X**	Da	ite of compila	tion: 21 De	ec 2022 \	/ersion: 2
	Spe	ecific effects		Target orgai	n	Note
Oral exposure:	No informa	ation available	No infor	mation availal	ole -	
Dermal exposure	e: No informa	ation available	No infor	mation availal	ole -	
Inhalation expos	ure: No informa	ation available	No infor	mation availal	ole -	
Respira	tory irritation:	N	o information a	vailable		
Irritatio	n and corrosion					
	Exposure tim	ne Speci	ies Eva	aluation	Method	Note
Skin irritation:	-	-	-			
Eye irritation:	-	-	-			
Sensitiz	ation					
Dermal exposure	e: No information	n available				
Inhalation exposure:	No information	n available				
			1 1			
	ms related to the p		ai and toxicolog	gicai character	ISTICS	
Oral exposure: Dermal exposure						
Inhalation exposure:	No information					
Eye exposure:	No information	available				
7 1	"					
Repeate	ed dose toxicity (sub	oacute, subchro	onic, chronic)			
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No informatio n available	No informatio	in -
Subacute dermal	No information available	No information	No information	No informatio	No informatio	n -

No

information

available

No information

available

Subacute

inhalation

No

information

available

No

informatio

n available

No information

available



Reproductive toxicity:

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

Page 9 of 16

Trading name:		ANILINE BLUE, S	OLUTION		
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

r roduct code.	AL	00-01-X	De	ite oi	Compila	tion. Zi De	C 2022	V CI.	31011. 2
Subchronic oral	No availa	information able	No information available		rmation lable	No informatio n available	No infor		_
Subchronic dermal	ubchronic No information information		No information available		rmation lable	No informatio n available	No infor		-
Subchronic inhalation	No availa	information able	No information available	No information available		No informatio n available	No infor		-
Chronic oral	No availa	information able	No information available		rmation lable	No informatio n available	No infor		-
Chronic dermal	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		-
	•		1			- 1			1
Specific	target	organ toxicit	y – repeated e	xposu	ıre (STOT	RE):			
· · · · · · · · · · · · · · · · · · ·		Spe	ecific effects			Target organ			Note
Subacute oral		No informa	ation available		No infor	mation availab	ole	-	
Subacute derma	ı	No informa	ation available	ion available N		mation availab	ole	-	
Subacute inhala	tion	No informa	ation available		No information available		ole	-	
Subchronic oral		No informa	ation available		No information availab		ole	-	
Subchronic dern	nal		ation available		No information available		ole	-	
Subchronic inha	lation		ation available		No information			-	
Chronic oral			ation available		No information available			-	
Chronic dermal			ation available			mation availab		-	
Chronic inhalation	on	No informa	ation available		No infor	mation availab	ole	-	
			y, mutagenicity	<u> </u>					
Carcino		-			on availab 				
Mutage		n-vitro:			on availab				
Genoto					on availab				
Mutage					on availab				
Germ cell mutagenicity:			INO INTO	No information available					

No information available



Page 10 of 16

Trading name:	ANILINE BLUE, SOLUTION						
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

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

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



Page 11 of 16

Trading name	e:		ANILINE BLUE, SOLUTION							
Product code:		ABO-OT-X**		Dat	Date of compilation: 21 Dec 2022		Vers	ion: 2		
				:			:	:	:	
Other organisi	ms	-	-	-	_		_		-	
12.2. Persis	stence	e and degradab	ility							
Abiot	ic de	gradation								
	D	egradation half	-lives		Method		Evalua	tion	Note	
Marine water	No	information ava	ilable	No info	ormation availabl	le	No information	available	-	
Fresh water	No	information ava	ilable	No info	ormation availabl	le	No information	available	-	
Air	No	information ava	ilable	No info	ormation availabl	le	No information	available	-	
Soil	No	information ava	ilable	No info	ormation availabl	le	No information	available	-	
Biode	egrada	ation								
% Degradatio	n	Time (days)		N	1ethod		Evaluation		Note	
No informatio		No inform	ation			No information		No inforn	nation	
available	a	ıvailable		available	vailable available		ailable	available		
		lative potential								
		pefficient: n-oct								
Value	Con	centration	рН	°C	°C Method		Evaluation		Note	
_	No	information	-	-	No information available		No information	-		
	availa	bie			avallable		available			
,			CE\							
	ncen	tration factor (B	CF)	-	A-+		First of		NI-4	
Value		Species			Лethod 		Evaluation		Note	
No information available No information		nation	No infor			o information ailable	availab	ormation lle		
								!		
Chror	nic ec	otoxicity								
:			F	xposure						
Valu	ıe	Dose	•	time	Species		Method E	valuation	Note	



Mobility in soil

12.4.

SAFETY DATA SHEET

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

Page 12 of 16

Trading name:	ANILINE BLUE, SOLUTION							
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2			

Chronic toxicity on fish	LC ₅₀	No information available	No information available	No information available	No information available	-
Chronic toxicity on crustacea (<i>Daphnia</i>)	EC ₅₀	No information available	No information available	No information available	No information available	-

Known or pre	Known or predicted distribution in environmental compartments:										
No information	No information available										
Surface tension	on:										
Value	°C	Concentration	Method	Note							
No information available	No information available	No information available	No information available	-							

Transport	A/D coefficient Henry's constant		log Kow	Evaporation rate	Method	Note
Soil-water	No available	information	No information available	No information available	No information available	-
Water-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 assessment

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

12.6. Endocrine disrupting properties



Trading name:

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

ANILINE BLUE, SOLUTION

Page 13 of 16

Produc	t code:	ABO-OT-X**	Date of compilation: 21 Dec 202	22 Version: 2			
	according	to REACH Article 57(t contain components considered to have end f) or Commission Delegated regulation (EU) 20 rels of 0.1% or higher.				
12.7.	Other adv	erse effects					
	No inform	ation available					
13.1.		eatment methods					
15.1.	vvaste ti	eatment methods					
13.1.1.	Product/	/Packaging disposal:					
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.						
13.1.2.	13.1.2. Waste codes/waste designations according to Law:						
13.1.3.	Waste treatment – relevant information:						
13.1.3.							
	110 11101	mation available					
13.1.4.	Sewage disposal – relevant information:						
	Waste m	nust not be disposed	of into the sewage system.				
	£						
13.1.5.	Other disposal recommendations:						
Do not dispose of the product's remains into the sewage system. Submit the remains to the authorized by the ministry in charge. Do not dispose of the packaging into the sewage system the packaging to the collectors authorized by the ministry in charge. Do not dispose of in ignition may occur.							
13.1.6.	13.1.6. Relevant Community provisions:						
	-						
SECTIO		sport information	(ADD)				
UN num	•	ng/shipment by road	Not subject to transport regulations.				
	per shipping	g name:	-				
•••••••••••••••••••••••••••••••••••••••	ort hazard cl		-				
Packing			-				



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

Page 14 of 16

Trading name:	ANILINE BLUE, SOLUTION					
Product code:	ABO-OT-X**		Date of compilation:	21 Dec 2022	Version:	2
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Transporti	ng/shipment by rai	(RID)				
UN number:		No	t subject to transport regu	llations.		
UN proper shipping	g name:	-				
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Inland wat	erway transport (Al	ON)				
UN number:		No	t subject to transport regu	llations.		
UN proper shipping	g name:	-				
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Transporti	ng/shipment by sea	a (IMDG)			
UN number:		No	t subject to transport regu	llations.		
UN proper shipping	g name:	-				
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				
Special precautions	for user:	-				
Transporti	ng/shipment by air	(ICAO-	TI/IATA-DGR)			
UN number:		No	t subject to transport regu	llations.		
UN proper shipping	g name:	-				
Transport hazard cl	ass(es):	-				
Packing group:		-				
Environmentally ha	zardous:	-				

SECTION 15. Regulatory information

Special precautions for user:

Further information:

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



SAFETY DATA SHEET ding to Regulation (EC) No. 1907/20

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

Page 15 of 16

Trading name:	ANILINE BLUE, SOLUTION					
Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2	

	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);
	_	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	guideline)	
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessme	nt
	None	

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



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

amended by Regulation (EU) No. 2020/878

Page 16 of 16

Product code: ABO-OT-X** Date of compilation: 21 Dec 2022 Version: 2	Trading name:	ANILINE BLUE, SOLUTION						
	Product code:	ABO-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

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 use 1272/2008 (CLP)		used to derive the classification for mixture according to Regulation (EC)		
Classifi	cation	Classification procedure		
-		-		
16.5.	Relevant H statements (numb	per and full text)		
	H: -	-		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

		м			
$\boldsymbol{-}$	1		_	^	=

Exposure scenario resulting to Chemical safety assessment

-



Page 1 of 16

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

SECTI	ON 1 IDENTIFICATION	OF THE SUBS	STANCE/MIX	KTURE AND OF THE COMPANY/UNDERTAKING		
1.1.	Product identifier					
	Trading name: FERRI REA		GENT, WEIGE	RT B		
	Chemical name: -					
	Catalogue number: FR-OT-					
1.2.	Relevant identified use	es of the subs	stance or mix	ture and uses advised against		
	Uses:		For use in	special staining kits.		
	Uses advised against:		Only the ic	dentified uses are advised.		
	Reason why uses advi	sed against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes			
1.3.	Details of the supplier of the safety data sheet					
	Supplier:	Ві	BioGnost Ltd.			
	Address:	N	Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Fax no.:		+385 1 2404039			
	e-mail of competent person: r		msds@biognost.hr			
	National contact: -					
1.4.	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue Dir	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	CTION 2 HAZARDS INFORMATION							
2.1.	Classification of the substanc	e or mixture						
2.1.1.	Classification according to Re	gulation (EC) No 1	272/2008 (CLP)					
	Hazard class and cate	gory code:	Hazard statements*:					
	Not identified as hazardous s	ubstance.	-					
2.1.2.	Additional information							
*For fu	*For full text of Hazard- and EU Hazard-statements: see Section 16							
2.2.	Classification according to EC	Directive Nr. 1272	2/2008 CLP)					
	Product identification:	FERRI REAGE	ENT, WEIGERT B					
	Identification number: -							
	Authorization no.:	-						
	Hazard pictograms:	-						



Page 2 of 16

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

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

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

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.	



Page 3 of 16

Trading name:	FERRI REAGENT, 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
	-	

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

SECTIO	ECTION 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 16

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 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. Thoroughly 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.				
	Redilirements 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 16

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

	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:	-

8.1. Con	trol paramet	ers						
Substance		CAS I			cupational exposure limit slues/short term values		Biological limit values	
				ppm	mg/m³		-	
Hydrogen chloride 7647-01-0		5/10	8/15		-			
Substance name:	-							
EC No:	-	CAS No:	-					
DNEL			·					
				Industrial				
Route of		Acute		Acute	Chronic	C	Chronic	
exposure: eff		effect local	effect systemic		effect lo	cal	effect systemic	
Oral	-		-		-		-	
Inhalation	-		-		-	-		
Dermal	-		-				-	
Critical physic	cal paramete	rs: solubility, fla	ımmabili	ty, corrosivity:	-			
				Consumer				
Route of		Acute		Acute	Chronic		Chronic	
exposure:		effect local	effe	ect systemic	effect loc	cal	effect systemic	
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-		-		-		-	
PNEC								
Environmental protection target			PNEC	PNEC				
Fresh water				No information available				
Freshwater sediments				No information available				
Marine water			No info	No information available				



Page 6 of 16

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

Marine sediments				No information available		
Food chai	n			No information available		
Microorga	nisms in sewage treatment			No information available		
Soil (agricultural)			No information available			
Air				No information available		
0.0						
8.2.	Exposure controls					
8.2.1.	Engineering measures		1			
	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		
				ation of work in order to reduce other worker's influence work process.		
	Technical measures to pre exposure:	•		ure proper workspace ventilation in order to keep centration levels in air below permitted levels.		
8.2.2.	Personal protection equip	ment				
8.2.2.1.	Eye and face protection:		Safety g visor.	lasses that stick to face (preventing splashing) (EN 166) or		
8.2.2.2.	Skin protection					
	Hand protection:		ord EN 374 Glove m Glove th	es must be according to the EU Directive 2016/425/EEC and 4. naterial: nitrile rubber nickness: ≥0.50 mm nrough 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 fo	or organio	ace mask (EN 136) or half mask (EN 140) equipped with a vapors, type "A" (boiling point >65°C) acording to EN en 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 Sec	tion 6		
	Structural measures to pro 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 16

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

9.1.	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
	Lower and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2.	Other information		

SECTIO	SECTION 10 STABILITY AND REACTIVITY						
10.1.	Reactivity:	See subsections 10.3 through 10.5.					
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.					
10.3.	Possibility of hazardous reactions:	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 16

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.

	COLOGICAL INFORMA				
	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 1	ime Results
Oral exposure:	No information available	-	LD ₅₀	-	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	_	-
Cassific to	ract organ tovicity	oalo ovnosuro (C	TOT CEV		
Specific tar	get organ toxicity – sir	effects		t organ	Note
Oral avposure:	No information a			t organ	Note -
Oral exposure:	No information a		No information available		
1			No informati		
Inhalation exposure	: No information a	valiable	NO IIIIOIIIIau	OII avallable	-
Respiratory	/ irritation:	No inforr	nation available		
; · ·					
Irritation a	nd corrosion				
:	Exposure time	Species	Evaluation	Method	Note
Skin irritation:	-	rabbit	-		
Eye irritation:	-	rabbit	-		
		•			
Sensitizatio	on				
Dermal exposure:	No information availa	ıble			
Inhalation exposure:	No information availa	ıble			
Symptoms	related to the physical	, chemical and t	oxicological chara	acteristics	
Oral exposure:	Swallowing may ca sensation; higher lo In case of vomiting concentration may	evels of concent g, aspiration caus	ration may cause ses coughing, diff	nausea, abdor	minal pain and vomiting



Page 9 of 16

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

Dermal exposure	:	_		•	esorption effects a g sensation of skin		g-term exposur	
Inhalation expos	ure:	Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea.						
Eye exposure:	ye exposure: Direct eye contact may cause slight to moderate irritation, lacrimation sensation.							
Repeate	ed dos	e toxicity (sub	acute, subchro	onic. chronic				
		Dose	Exposure time	Species	Method	Evaluation	Note	
Subacute oral	No avail	information able	No information available	No information	No information available	No information available	-	
Subacute dermal	No avail	information able	No information available	No information available	No information available	No information available	-	
Subacute inhalation	No avail	information able	No information available	No information available	No information available	No information available	-	
Subchronic oral	No avail	information able	No information available	No information	No information available	No information available	-	
Subchronic dermal	No avail	information able	No information available	No information	No information available	No information available	-	
Subchronic inhalation	No avail	information able	No information available	No information	No information available	No information available	-	
Chronic oral	No avail	information able	No information available	No information	No information available	No information available	-	
Chronic dermal	No avail	information able	No information available	No information	No information available	No information available	-	
Chronic inhalation	No avail	information able	No information available	No information	No information available	No information available	-	
c :c	4	Laurent 1.1.			TOT DEV			
Specific	targe		y – repeated e pecific effects	xposure (ST	OTRE): Target or	gan	Note	
Subacute oral			ation available		No information av		NOLE	



Page 10 of 16

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

Subacute dermal	No information	n available	No information available	-				
Subacute inhalation	No information	n available	No information available	-				
Subchronic oral	No information	n available	No information available	-				
Subchronic dermal	No information	n available	No information available	-				
Subchronic inhalation	No information	n available	No information available	-				
Chronic oral	No information	n available	No information available	-				
Chronic dermal	No information	n available	No information available	-				
Chronic inhalation	No information	n available	No information available	-				
	·		į.	1				
CMR effects (carcinogenicity, m	utagenicity, reprodu	uctive toxicity)					
Carcinogenic	ity:	Current studies on	test animals did not indicate ca	rcinogenic effects.				
Mutagenicity	in-vitro:	Current <i>in vitro</i> t	ests did not indicate mutageni	c effects.				
Genotoxicity:		No information av	No information available					
Mutagenicity	in-vivo:	Current in vivo tests did not indicate mutagenic effects.						
Germ cell mu	tagenicity:	No information av	ailable					
Reproductive	toxicity:	No toxicity on reproductive organs was determined in reproductive organs.						
	evaluation of the C	CMR properties:	-					
	srupting properties							
The substance components endocrine according to Commission 2017/2100 o	e/mixture does no considered to	t contain have roperties 57(f) or tion (EU) egulation						
11.2.2. Other information	ation:							

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



Page 11 of 16

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

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

12.2. Persistence and degradability

Abiotic degradation

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

D: 1			
Biodeo	コヒコム	lation	١.
DIOUE	ai au	ıatıoı	

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

12.3. Bioaccumulative potential



Page 12 of 16

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

	Parti	tion co	efficier	nt: n-octan	ol/wate	er (log K	low):							
Valu	e	Cond	centrat	ion	Н	°C	М	ethod		Evalua	ation		Note	
-		No availab	inform ole	ation -		-	No infavailab	ormatior ble	1	No inform available	nation	-		
	Bioc	oncentr	ration f	actor (BCF)									
V	alue			Species	-		Metho	d		Evaluation	on		Note	
No info availabl			No availab		nation	No inf	formati ble	on		information	on	No int	formation ble	
	Chrc	nic eco	toxicit	v										
	Val		-	Dose		osure ime	Sp	ecies	N	Method	Εν	/aluation	Note	5
Chronic	toxic	ity on fi	ish	LC ₅₀	No infor avail	mation able	No infor avail	mation able	1	ormation ailable	No ir	nformatio able	n -	
Chronic crustace		-		EC ₅₀	No infor avail	mation able	No infor avail	mation able		o ormation ailable	No in	nformatio able	n -	
12.4.	Moh	oility in s	soil											
12,7,		-		d distribu	ion in e	nvironr	mental	compart	men	ıts.				
		nforma					Tieritai	compare						
		ace tens												
	١	/alue		°C	С	oncentr	ation		М	ethod			Note	
	No infor avail	rmation able		rmation available No information available -		-								
	L		<u></u>		<u> </u>			<u> </u>						
	Adso	orption	/ deso	rption										
Transpo	ort		D coeff nry's co	ficient onstant	lo	og Kow	E	vaporati	on ra	ate	Metho	d	Note	



Page 13 of 16

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

Soil-wa	No information available		available available ava		No information available	-
Water-	No information available		No information available	No information available	No information available	-
Soil-air	No availab	information le	No information available	No information available	No information available	-
12.5.	Results of P	BT and vPvB asse	ssment			
	according to	REACH Article 5	•	n Delegated regula	to have endocrine d tion (EU) 2017/2100	lisrupting properties or Commission
12.6.	Endocrine d	isrupting propert	ies			
	according to	REACH Article 5	•	n Delegated regula	to have endocrine d tion (EU) 2017/2100	lisrupting properties or Commission
12.7.						
14.7.	Other adver	se errects				
12.7.		tion available				
12.7.						
	No informa		TIONS			
	No informa	cion available	TIONS			
SECTIO	No informa	cion available	TIONS			
SECTIO	No information No inf	cion available				
SECTIO 13.1.	No information No inf	SAL CONSIDERA atment methods ackaging disposa	l:	rized by the Minist	ry of Environmental	and Nature
SECTIO 13.1.	No information No inf	SAL CONSIDERA atment methods ackaging disposa r disposal to the l	l:	·	ry of Environmental	and Nature
SECTIC 13.1.	No information No inf	SAL CONSIDERA atment methods ackaging disposa r disposal to the l	l: egal person autho	·	ry of Environmental	and Nature
SECTIC 13.1.	No information No inf	SAL CONSIDERA atment methods ackaging disposa r disposal to the l des/waste designa ation available	l: egal person autho ations according to	·	ry of Environmental	and Nature
SECTIC 13.1. 13.1.1.	No information No inf	SAL CONSIDERA atment methods ackaging disposa r disposal to the l a.	l: egal person autho ations according to	·	ry of Environmental	and Nature
13.1.1. 13.1.2.	No information No inf	SAL CONSIDERA atment methods ackaging disposa r disposal to the l l. des/waste designa ration available atment – relevant	l: egal person autho ations according to information:	·	ry of Environmental	and Nature
SECTIC 13.1. 13.1.1.	No information No inf	SAL CONSIDERA atment methods ackaging disposa r disposal to the l a. des/waste designa ation available atment – relevant ation available	l: egal person autho ations according to information:) Law:	ry of Environmental	and Nature
13.1.1. 13.1.2.	No information No inf	SAL CONSIDERA atment methods ackaging disposa r disposal to the l a. des/waste designa ation available atment – relevant ation available	l: egal person autho ations according to information:) Law:	ry of Environmental	and Nature



SAFETY DATA SHEET

amended by Regulation (EU) No. 2020/878

Page 14 of 16

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 provisions:							
	-	-						
SECTION	SECTION 14 TRANSPORT INFORMATION							
٦	Transporting/shipment by road (ADR)							
UN numb	oer:	Not subject to transport regulations.						
UN prope	er shipping name:	-						
Transport	t hazard class(es):	-						
Packing g	ıroup:	-						
Environm	entally hazardous:	-						
Special p	recautions for user:	-						
٦	Transporting/shipment by rail (R	ID)						
UN numb	oer:	Not subject to transport regulations.						
UN prope	er shipping name:	-						
Transport	t hazard class(es):	-						
Packing g	ıroup:	-						
Environm	entally hazardous:	-						
Special p	recautions for user:	-						
I	nland waterway transport (ADN)							
UN numb	oer:	Not subject to transport regulations.						
UN prope	er shipping name:	-						
Transport	hazard class(es):	-						
Packing g	ıroup:	-						
Environm	entally hazardous:	-						
Special p	recautions for user:	-						
٦	Transporting/shipment by sea (II	MDG)						
UN numb	oer:	Not subject to transport regulations.						
UN prope	er shipping name:	-						
Transport	t hazard class(es):	-						
Packing g	ıroup:	-						
Environm	entally hazardous:	-						
Special p	recautions for user:	-						



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

amended by Regulation (EU) No. 2020/878

Page 15 of 16

Trading name:	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 pro	duct is not subject to classification.				

15.1.	Safety, health and enviro	Safety, health and environmental 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 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		
	Information according 19 guideline)	dangerous substances, mixtures and articles (Annex XVII); 99/13/EC about limitation of emissions of volatile organic compounds (VOC-		
	guideiiiie)	Chemicals Act, Regulation on classification, packaging and labeling of		
		dangerous substances, Ordinance on occupational exposure limit values and		
	National legislation:	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		



SAFETY DATA SHEET

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

Page 16 of 16

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

None

16.1.	Indi	cation of changes:	-		
16.2.		previations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
16.3.		literature references and rce of data:	-		
16.4.		ssification and procedure 2/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classif	ication	١	Classification procedure		
-			-		
16.5.	Rele	evant H statements (numb	per 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.	Trai	H335 ning advice:	•		

ANNEX:

EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT



Page 1 of 17

Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

SECTI 1.1.	ON 1. Identification of the Product identifier	substance/m	ixture and	of the company/undertaking	
1.1.		11514450\0/111	VALCEDE		
		HEMATOXYLIN	, WEIGERT	Α	
	Chemical name:	-			
	Catalogue number:	HEMA-OT-X**			
1.2.	Relevant identified uses	of the substanc	e or mixtur	e and uses advised against	
	Uses:		For use i	n special staining kits.	
	Uses advised against:		Only the	identified uses are advised.	
	Reason why uses advised agair		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Production 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:	Supplier: BioGn		nost Ltd.	
	Address:	Medjı	ugorska 59, Zagreb		
	Telephone number:	+385	5 1 2409997		
	Telefax:	+385	1 2404039		
	e-mail of competent per	son: <u>msds</u> (s@biognost.hr		
	National contact:	-			
1.4.	Emergency telephone nu	ımber			
	National Protection and	Rescue Directo	rate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	CTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to F	Classification according to Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and ca	tegory code:	Hazard statements*:		
	Flam. Liq. 2 H225		H225		
2.1.2.	Additional information				
	-				
*For ful	l text of Hazard- and EU Haza	rd-statements: see Se	ection 16		
2.2.	Label elements				
	Product identification:	identification: HEMATOXYLIN, WEIGERT A			
	Identification number:	-			
	Authorisation number:	-			



Page 2 of 17

Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

	No known endocrine disrupting properties Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not PBT or a vPvB.		
	Endocrine Disrupting Prop	erties:	
2.3.	Other hazards		
	Supplemetal hazard information (EU)	-	
	Precautionary statement:	 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection. 	
	Hazard statements:	H225 Highly flammable liquid and vapor.	
	Signal word:	Danger	
	Hazard pictograms:	GHS02	

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	

SECTI	SECTION 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.			



Page 3 of 17

Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

	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	al attention and special treatment needed	
	No information available		

SECTION	SECTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO ₂ Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media:	Water jet			
5.2.	Special hazards arising from the 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				
	-				

SECTION 6. Accidental release measures		
6.1.	Personal precautions, protective equipment and emergency procedures	
6.1.1.	For non-emergency personnel	



Page 4 of 17

Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

	Bunding, covering of	Sand protective barrier or barriers made of similar materials	
6.3.	Methods and material f		
	•	•	it further spillage of chemicals. Prevent environmental pollution by he sewage system, surface water or groundwater.
6.2.	Environmental precauti	ons:	
	Self-contained open-circuit compressed air breathing apparatus, a set for protecting the body from heat dissipation (fireproof clothing).		
6.1.2.	For emergency responders:		
	Emergency procedures:		Remove or neutralize all factors that may exacerbate the condition, use all allowed means of containing the situation and use recommended means of personal protection.
	Accident prevention me	ethods:	Secure a safety zone, remove all ignition sources, and in case of a accident inform the Emergency service (112) and the manufacturer or sender. Position a prohibition sign with symbols of flame and devices that cause sparks.
	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.

SECTIO	SECTION 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Keep away from sources of 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. Thorough	ly wash hands after work and before eating.			



Page 5 of 17

Trade name:		HEMATOXYLI	N, WEIGERT A		
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

7.2.	Conditions for safe storage, including any incompatibilities			
	Technical measures and storage conditions:	Keep in a well-ventilated place. Keep away from heat and direct solar radiation.		
	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:	-		
7.3.	Specific end use(s)			
	Recommendations:	-		
	Industrial sector specific solutions:	-		

SECTION 8. Exposure controls/personal protection									
8.1.	Control para	meters							
Substance		CAS No		·	Occupational exposure limit values/short term values		Biological limit values		
					ppm	mg/m³			
Ethanol			64-17	- -5	1000/-	1900	/-		-
Ethylene	glycol		107-2	1-1	20/40	52/10)4		-
Substanc	ce: -								
EC No:	-		CAS No:	-					
DNEL				·					
					Industrial				
Davida al	6	A	Acute		Acute	Chronic			Chronic
Koute of	f exposure:	effe	ect local	local effect system		effect local			effect systemic
Oral		-		-		-			-
Inhalation 1900 (ethan		mg/m³ ol)	1		35 mg/ (ethyler	kg ne glycol)		380 mg/m³ (ethanol)	
Dermal -			1		-			343 mg/kg (ethanol) 106 mg/kg (ethylene glycol)	
Critical p	hysical parar	neters: s	olubility, fla	mmabi	lity, corrosivity:				
					Consumer				



Page 6 of 17

Trade name:		HEMATOXYLI	N, WEIGERT A		
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

Product code:	HEMA-OT-X**	Date of compilation:		: 19 Dec 2023 Version: 6		
Route of exposu	re: Acute effect local	Acut effect sys	-	Chronic effect local	Chronic effect systemic	
Oral	-	-		-	-	
Inhalation	950 mg/m³ (ethanol)	-		7 mg/kg (ethylene glycol)	114 mg/m³ (ethanol)	
Dermal	-	-		-	206 mg/kg (ethanol) 53 mg/kg (ethylene glycol)	
PNEC						
Environmental pro	otection target		PNEC			
Fresh water			_	l (ethanol) ethylene glycol)		
Freshwater sedime	ents		_	g (ethanol) g (ethylene glycol)		
Marine water			0.79 mg/l (ethanol) 1 mg/l (ethylene glycol)			
Marine sediments			2.9 mg/kg (ethanol) 3.7 mg/kg (ethylene glycol)			
Food chain			380-720 mg/kg (ethanol)			
Microorganisms in	n sewage treatment		580 mg/l (ethanol) 199.5 mg/l (ethylene glycol)			
Soil (agricultural)			_	kg (ethanol) kg (ethylene glycol)		
Air				nation available		
•	sure controls					
Subs	neering measures tance/mixture related ment exposure during ide		• • • • • • • • • • • • • • • • • • • •			
	tural measures to preve	ural measures to prevent No information available				
Orga expo	nisational measures to p sure:	prevent	_	ion of work in order to during work process.	o reduce other worker's	
Tech expo	nical measures to preve sure:	asures to prevent See Section 7.2				
8.2.2. Perso	onal protection equipme	ent				



Page 7 of 17

Trade name:		HEMATOXYLIN	IN, WEIGERT A		
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

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	
		Protective gloves must be according to the EU Directive 2016/425/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 footwear, such as rubber boots or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

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



Page 8 of 17

Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

	Lower 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
9.2.	Other information		
	-		

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

SECTIO	SECTION 11. Toxicological information								
11.1.	Informat	ion on hazard class	es as defined	d in Regulation (EC	C) No 1272/200	8			
	Acute toxicity:								
Route o		Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results			
Oral:		No information available	rat	LD ₅₀	-	7.060 mg/kg (ethanol) 7.712 mg/kg (ethylene glycol)			



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

Page 9 of 17

Trade name:	HEMATOXYLIN, WEIGERT A					
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6	

							,				
Product code:	HEMA-C	T-X**	Da	ate c	of compil	ation:	19	Dec 20	23	Version:	6
Dermal:	No inform availab		rabbit		LD ₅₀		-		>3.50	00 mg/kg (e 0mg/kg ene glycol)	thanol)
Inhalation:	No inform availab		rat		LC ₅₀		4 h (etha	nol)	>8.00	0 mg/l (etha	nol)
Specific t	arget organ	toxicity	/ – single	е ехр	osure (ST	OT SE):					
		Spec	ific effec	ts			Targe	t organ			Note
Oral:	No infor	mation	available	e		No info	ormatio	on availa	able	-	
Dermal:	No infor	mation	available	е		No info	ormatio	on availa	able	-	
Inhalation:	No infor	mation	available	е		No info	ormatio	on availa	able	-	
Aspiratio	n hazard:			١	No inform	ation av	ailable				
Irritation	and corrosio	on									
	Exp	osure	time		Species	Evalu	ation	Me	hod	l	Vote
Skin corrosion/irritation	n: -			-		-		-		No available	information
Serious eye damage/irritation	-			-		_		-		No available	information
Sensitiza	tion:										
Skin sensitization:	No infor	mation	available	e							
Respiratory sensitization:	No infor	mation	available	e							
	•										
Sympton	ns related to	the ph	ysical, cł	nemi	cal and to	xicologi	cal cha	racteris	ics		
Oral exposure:	It may le	ad to o	ccurrenc sness af	e of ter ex	strong se	nsation on the contract of the	of sting levels	jing, he	adache,	vertigo, into n. If denatur	exication and rants are
Dermal exposure					. (5001100		31.				
Dermal exposure: May cause eye irritation and upper respiratory system (stinging sensation, irritation). Inhalation exposure: Bronchoconstriction is possible. Possible symptoms include CNS symptoms such as headac vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration.											
Eye exposure: Splatter may cause discomfort, stinging sensation, conjunctival redness, corneal surface lesions.						surface					



Page 10 of 17

Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

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

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



Page 11 of 17

Trade name:	HEMATOXYLIN, WEIGERT A				
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

Chronic dermal No information available Chronic inhalation No information available		No information available	No information available	-			
		No information available	No information available -				
	CMR effects (d	carcinogenicity; mutagenicity; re	eproductive toxicity)				
	Carcinogenici	ty:	No information available				
	Mutagenicity	in-vitro:	No information available				
	Genotoxicity:		No information available				
	Mutagenicity	in-vivo:	No information available				
	Germ cell mut	tagenicity:	No information available				
	Reproductive	toxicity:	No information available				
	Summary of properties:	f evaluation of the CMR	-				
11.2.	Information o	n other hazards:					
11.2.1.	Endocrine disrupting properties:						
	No known e that affect hu	ndocrine disrupting propertie man health.	S				
11.2.2.	Other informa	ation:					
	_						

SECTION 12. Ecological information:						
12.1. Toxicity	12.1. Toxicity					
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Fish	No information available	8.140 mg/l (ethanol) 72.860 mg/l (ethylene glycol)	-
Crustacea:	EC ₅₀	48 hours	water flea	No information available	7.800 mg/l (ethanol) >100 mg/l (ethylene glycol)	-
Algae/aquatic plants	IC ₅₀	72 hours	algae	No information available	5.000 mg/l (ethanol) 6.500-13.000 mg/l (ethylene glycol)	-
Microorganisms	_	-	No information available	No information available	No information available	_



Value

Species

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

Page 12 of 17

Trade name:		HEMATOXYLII	N, WEIGERT A			
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6	

Chronic (toxicity	long-term	Dose	Exposure time	Species	Method	Evaluation	Note
Fish		LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustace	a:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aq	uatic plan	ts IC ₅₀	72 hours	No information available	No information available	No information available	-
Microorg	janisms	-	-	-	-	-	-
12.2.	Persistenc	e and degrada	bility				
		gradation					
		Degradation	half-lives	Meth	od	Evaluation	Note
Marine w	ater N	o information	available	No information available		No information available	-
Fresh wa	ter N	o information	available	No information available		No information available	-
Air	N	o information	available	No information available No info		No information available	-
Soil	N	o information	available	No information	available	No information available	-
	Biodegrac	lation					
% Degra		Time (day	/s)	Method	Eval	uation No	ote
-		_	-		-	-	
		ulative potenti					
		oefficient: n-o					
Value	Со	ncentration	pH °	°C Metho	od Ev	valuation N	lote
-	-			-	-	-	

Method

Evaluation

Note



Haue I	name:				HE	MATOX	YLIN, V	VEIGE	RT A			
Produc		: HE	MA-OT-X**		Date of cor		-	9 Dec		Versic	n;	6
						1					· ·	
No infor			information ailable		No inforr available	mation		inform ilable	nation	No ii avail	nforma able	tion
	Chron	ic ecoto	xicity									
	Valu		Dose		osure me	Specie	S	Meth	od	Evalua	tion	Note
Chronic	toxicity	y on fish	LC ₅₀	No inform availal	nation i	No nformatio available		o forma [,] vailable	tion	No inform available	nation	-
Chronic crustace			EC ₅₀	No inform availal	nation i	No nformatio available	1	o forma vailable	tion	No inform available	nation	-
12.4.	Knowi		l dicted distribut n available	ion in e	environmer	ntal comp	artment	·s:				
	Surfac	e tensio	n:									
	Va	ılue	°C	Concentration Meth No information available available		thod			Not	e		
	No inform availal		No information available				_		_			
	Adsor	ption / d	lesorption									
Гranspo	ort		coefficient 's constant		log Kow	Evap	Evaporation rate		Method			Note
Soil-wat	er	No available	information			on No availa	informat able		No in available	formation	n	
Water-a	nir 🗆	No available	information	-	No information No available avail		informat able		No in available	oformation	ו –	
Soil-air		No available	information	No avail	informatic able	on No availa	informat able		No in available	formation	1 _	
		(and vPvB asse									
12.5.	D .											



Page 14 of 17

	Trade name:		HEMATOXYLIN	I, WEIGERT A		
ľ	Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

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 adverse effects are expected.						
SECTIO	N 13. Disposal considerations						
13.1.	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.						
13.1.2.	Waste codes/waste designations according to Law:						
	No information available						
13.1.3.	Waste treatment – relevant information:						
	No information available						
13.1.4.	Sewage disposal – relevant information:						
	Waste must not be disposed of into the sewage system.						
13.1.5.	Other disposal recommendations:						
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.						
13.1.6.	Relevant Community provisions:						
SECTIO	N 14. Transport information						
	Transporting/shipment by road (ADR)						
UN nur	mber: 1170						
UN pro	per shipping name: Ethanol solution						



SAFETY DATA SHEET

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

Page 15 of 17

Trade name:		HEMATOXYLII	N, WEIGERT A				
Product code: H	EMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6		
Transport hazard class((es):	3					
Packing group:							
Environmental hazards	•	No information available					
Special precautions for		-					
Transporting/s	shipment by rail (F	RID)					
UN number:		1170					
UN proper shipping na	me:	Ethanol solution					
Transport hazard class((es):	3					
Packing group:		II					
Environmental hazards	•	No information available					
Special precautions for	user:	-					
Transporting/s	shipment by inlan	d waterways (ADN)					
UN number:		1170					
UN proper shipping na	me:	Ethanol solution					
Transport hazard class((es):	3					
Packing group:		II II					
Environmental hazards	•	No information available					
Special precautions for	user:	-					
Transporting/s	shipment by sea (I	MDG)					
UN number:		1170					
UN proper shipping na	me:	Ethanol solution					
Transport hazard class((es):	3					
Packing group:							
Environmental hazards	:	No information available					
Special precautions for	user:	-					
Transport in bulk acco of MARPOL 73/78 and	•	-					
Transporting/shipment by air (IC		CAO-TI/IATA-DGR)					
UN number:		1170					
UN proper shipping name:		Ethanol solution					
Transport hazard class(es):		3					
Packing group:		ll					
Environmental hazards	:	No information available					
Special precautions for	user:	-					
Further information:	-						



Page 16 of 17

Trade name:		HEMATOXYLII	N, WEIGERT A		
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

SECTION	ON 15. Regulatory informa	ation
15.1.	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);
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Transport of Hazardous Substances Act
15.2.	Chemical safety assessme	ent
	None	

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



SAFETY DATA SHEET

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

Page 17 of 17

Trade name:		HEMATOXYLIN	I, WEIGERT A		
Product code:	HEMA-OT-X**	Date of compilation:	19 Dec 2023	Version:	6

16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:	-
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)
Classifi	cation	Classification procedure
-		-
16.5.	Relevant H statements (num	ber and full text)
	H: 225 302	Highly flammable liquid and vapor. Harmful if swallowed.
16.6.	Training advice:	-
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

Α	N	П	N	П	F	Y	7-
$\overline{}$	u	u	ш	u	느	_	٠.

EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT



Page 1 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

1.1.	Product identifier				
	Trade name:	MARTIUS YE	LLOW, SO	LUTION	
	Chemical name:	-			
	Catalogue number:	MAY-OT-X**	.		
1.2.	Relevant identified	uses of the sub	ostance or	mixture an	nd uses advised against
	Uses:			For use wi	th Martius Scarlet Blue kit.
	Uses advised agair	nst:		Only the i	dentified uses are advised.
	Reason why uses a	The product is intended for use only as an <i>in vitro</i> diagnomal 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 supp	olier of the safet	ty data she	eet	
	Supplier:		BioGr	BioGnost Ltd.	
	Address:		Medjı	ugorska 59	, Zagreb
	Telephone numbe	r:	+385	1 2409997	
	Telefax:		+385	1 2404039	
	E-mail of compete	nt person:	<u>msds</u>	<u>@biognost</u>	<u>.hr</u>
	National contact:		-		
1.4.	Emergency teleph	one numbers			
	National Protectio	n and Rescue D	irectorate:		112
	Medical information	n:			+385 1 2348 342
	Other information:				-

SECTI	ON 2. Hazards identification	N 2. Hazards identification				
2.1.	Classification of the substa	Classification of the substance or mixture				
2.1.1.	Classification according to	Classification according to Regulation (EC) No. 1272/2008 (CLP)				
	Hazard class and ca	Hazard class and category code: Hazard statement*:				
	Flam. Liq. 2 H225					
2.1.2. Additional information						
	-	-				
*For f	ull text of Hazard- and EU Haz	zard-statements: s	see Section 16.			
2.2.	Label elements					
	Product identification: MARTIUS YELLOW, SOLUTION					
	Identification number:	dentification number: -				



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

amended by Regulation (EU) No. 2020/878

Page 2 of 17

Tra	ade name:	MARTIUS YELLOW, SOLUTION				
Pro	oduct code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

	Authorisation number:	-
	Hazard pictograms:	GHS02
	Signal word:	Danger
	Warning statement:	H225 Highly flammable liquid and vapor.
	Precautionary statement:	 P210 Keep away from heat/sparks/open flames/hot surfaces Do not smoke. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection.
	Supplemental hazard information (EU):	-
2.3.	Other hazards	
	Results of PBT and vPvB ass PBT or a vPvB.	

SECTION 3. Co	SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	80 - 100 %	ethanol	Flam. Liq. 2; H225			
605-69-6/ 210-093-1/ -	-	≤ 10 %	2,4-dinitro-1- naphthol	Skin. Irr. 2; H315 Eye Irr. 2; H319 STOT SE 3; H335			

SECT	SECTION 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.	



Page 3 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

	Following skin contact:	Remove all contaminated clothes/footwear. Thoroughly wash with water for at least 15 minutes.		
	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 20 minutes with the eyelids held wide open.		
	Following swallowing:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.		
	Self-protection of the first aider	-		
4.2.	Most important symptoms and effects, both acute and delayed			
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.		
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.		
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.		
	Following swallowing:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.		
4.3.	Indication of any immediate med	ical attention and special treatment needed		
_	No information available			

SECT	ION 5. Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO2 Large fire - water spray or alcohol-resistant foam		
	Unsuitable extinguishing media: Water with full jet			
5.2.	Special hazards arising from the substance or mixture			
	Hazardous byproducts of fire: Incomplete combustion of the product.			
5.3.	Advice for firefighters			
	Stay in danger area only with self-contained open-circuit compressed air breathing apparatus and a set for protecting the body from heat dissipation (fireproof clothing).			
5.4.	Additional information			
	Cool endangered receptacles v	with water spray. Collect contaminated fire fighting water separately. Do not 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			



Page 4 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

	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:			
	Self-contained open-circuit compressed air breathing apparatus, a set for protecting the body from heat dissipation (fireproof clothing).			
6.2.	Environmental precautions:			
	Use sand protective barrier to prevent further spillage of chemicals. Prevent environmental pollution by not allowing the chemicals to enter the sewage system, surface water or groundwater.			
6.3.	Methods and materials for cont	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials		
6.3.2.	Cleaning up:	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). Do not use incompatible materials (see Section 10).		
6.4.	Reference to other sections			

SECTION 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. Thoroughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incompatibilities			



Page 5 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022 Version: 3		

	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Protect from heat and direct sunlight.			
	Packaging materials:	Manufacturer's original packaging.			
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.			
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.			
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).			
7.3.	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

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		
Ethanol	Ethanol 64-17-5		1000/- 1900/-		1900/-	No information available
Substance: -			•			
EC No:	-		CAS No: -		-	
DNEL	DNEL					
			Industr	ial		
Route of exposure:	Acute	te Acute		Chronic		Chronic
Route of exposure.	effect loca	effect sys	temic	effect local		effect systemic
Oral	-	-		-		-
Inhalation	1900 mg/m³ (ethanol)	_		-		380 mg/m³ (ethanol)
Dermal	-	-		-		343 mg/kg (ethanol)
Critical physical parameters: solubility, flammability, corrosivity:						
Consumer						
Davida of our course	Acute	Acuto	CD	Chronic		Chronic
Route of exposure:	effect loca	effect sys	temic	е	ffect local	effect systemic
Oral	-	-		-		87 mg/kg bw/day (ethanol)



Page 6 of 17

Trade n	ame.			MARTIU	S YELLOW, SO	LUTIO		ge 6 of 17	
Product		MAY-OT-X**			compilation:		Nov 2022	Version:	3
Troduct	code.	WAT OT A		Date of t	compliation.	17	1101 2022	version.	J
Inhalatio	n	950 mg/m³ (ethanol)	-		-		114 mg/m ³	(ethanol)	
Dermal		-	-		-		206 mg/kg	(ethanol)	
PNEC									
Environn	nental prot	ection target		PNEC					
Fresh wa	iter			0.96 mg/l (ethanol)				
Freshwat	ter sedimei	nts		3.6 mg/kg	(ethanol)				
Marine v	vater			0.79 mg/l (ethanol)				
Marine s	ediments			2.9 mg/kg	(ethanol)				
Food cha	ain			380-720 m	g/kg (ethanol)				
Microorg	ganisms in	sewage treatment		580 mg/l (ethanol)				
Soil (agri	icultural)			0.63 mg/kg	g (ethanol)				
Air				no informa	ition available				
8.2.	Exposure	controls							
8.2.1.	Appropr	iate engineering con	trols						
	measure	ce/mixture related s to prevent exposur lentified uses:	e	Do not eat, of protective ed	drink or smoke in quipment.	the wo	rkspace. Use	personal	
	Structura exposure	al measures to preve e:	nt	No informat	ion available				
		itional measures to exposure:		Organizatior during work	n of work in ordei process.	to redu	uce other wo	rker's influer	nce
	Technica exposure	l measures to prever e:	nt	See Section	7.2				
8.2.2.	Personal	protection equipme	nt						
8.2.2.1.	Eye and	face protection:	of co	oncentration	at stick to face (El in air; protective levels of concent	gas mas	sk that covers		
8.2.2.2.	Skin prot	tection							
	Hand pro	otection:		standard EN Glove ma Glove thi	must be according 374. Interial: nitrile rubbooks: ≥0.50 mnough time: >480	per n	e EU Directiv	re 2016/425/	/EEC



Page 7 of 17

Trade name:		MARTIUS YELLOW, SOLU	TION		
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

	Other skin protection:	footwear, such as ru entire foot. In case of impermeable mater	ork use cotton clothing (EN 340) and suitable alber boots (EN 20345) or shoes that cover the of spilling hazard, use clothing made of ial suitable for protection from liquid chemicals and footwear made from the same material.		
8.2.2.3.	Respiratory protection:	a filter for organic v	mask (EN 136) or half mask (EN 140) equipped with apors, type "A" (boiling point >65°C) acording to en concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No information avai	lable		
8.2.3.	Environmental exposure contr	rols			
	Substance/mixture related me exposure:	easures to prevent	See Section 6		
	Structural measures to preven	nt exposure:	Use modern equipment.		
	Organisational measures to p	revent exposure:	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to preven	t exposure:	See Section 6		

9.1.	Information on basic physical an	d chemical properties	
		Value	Method
	Physical state:	liquid	no information available
	Colour:	yellow	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
	Lower and upper explosion limit:	no information available	no information available
	Flash point:	15 °C	no information available
	Auto-ignition temperature:	no information available	no information available
	Decomposition temperature:	no information available	no information available
	pH:	1.0 – 2.0	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



Page 8 of 17

Trade name:		MARTIUS YELLOW, SOLU	TION		
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

	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	ECTION 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.			
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:	Avoid heat, sparks, open flames and other ignition sources.			
10.5.	Incompatible materials:	Oxidants, acids, alkali metals.			
10.6.	Hazardous decomposition products:	Non-degradable if used in the described manner.			

11.1. Infor	mation on hazard	classes as defined	l in Regulation (E	(C) No 1272/2008		
Acut	e toxicity:					
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ o ATE _{mixture}	Exposure r time		Results
Oral:	-	rat	LD ₅₀	-	7.060	mg/kg (ethanol)
Dermal:	-	rabbit	LD ₅₀	-	>20.00	00 mg/kg (ethanol)
Inhalation:	-	rat	LC ₅₀	4 h (ethanol)	>8.000	0 mg/l (ethanol)
Specific tar	get organ toxicity		(STOT-SE):			
		Specific effects		Target orgar	1	Note
Oral:	No informa	tion available	1	No information ava	ilable	-
	No informa	tion available	1	No information ava	ilable	-
Dermal:				No information ava	ilahla	_
Dermal: Inhalation:	No informa	tion available	ľ	NO IIIIOIIIIalioii ava	illable	
	No informa	tion available	" I	NO IIIIOITTIALIOIT ava	illable	



oral

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

Page 9 of 17

Trade name:		MARTIUS YELLOW, SOLU	TION		
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

Product code: MAY-OT-X**				Date of cor	npilatic	on:	14 No	v 2022	Ver	sion:	3	
Irritation ar	nd co	rrosion										
		Exposur	e time	Sp	ecies	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Evaluatio	n	Me	thod	l	Vote
Skin corrosion/irritat	tion	No informat available	ion					No inform availab		-		
damage/irritation		No informat available		No i available	information	No inf	formation ble		No inform availab		_	
Sensitization												
Skin sensitizatio	n:	No infor	mation	available								
Respiratory sensitization:			available									
Serisitization.												
Symptoms re	alator	to the phy	cical ch	emical and	tovicologic	al chara	ctoristics					
Symptoms re	eialec							4::-	الدر و وور و وا		_ :	
Oral exposure: Swallowing may cause irr sensation; higher levels o In case of vomiting, aspir concentration may cause			levels of cog, aspiration	oncentration on causes co	may ca	use nause	a, abdo	minal pai	n and	vomiti	ng.	
Dermal exposur	re:	Slight irrita	ation. A	fter short e	exposure, res	•			kely. Long	-term	exposi	ure
Inhalation exposure:			_		of vapors in ne and nause	-	uately ven	tilated _l	oerimeter	may	cause	
Eye exposure:		Direct eye sensation.		may caus	e slight to m	oderate	irritation	, lacrima	ation and	burni	ng	
Repeated do	se to	xicity (suba	cute, sul	bchronic, c	hronic)							
		Dose	Ехро	osure time	Speci	es N	Method	E	Evaluation	1	Note	
Subacute oral		ormation ailable	No availal	information ole	on No informa available	tion i	No nformatio available	n i	No nformatio available	on	-	
Subacute dermal		ormation ailable	No availal	information	on No informa available	tion i	No nformatio available	n i	No nformatio available	on	-	
Subacute inhalation		ormation ailable	No availal	information ole	on No informa available	tion i	No nformatio available	n i	No nformatio available	on	_	
Subchronic	No		No	informatio	No		No		No			

information

available

information

available

information

available

available

information

available



Page 10 of 17

Trade name:		MARTIUS YELLOW, SOLU	JTION		
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

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 No information available		No information available	No information available	No information available	No information available	-			
Chronic inhalation No available		No information available	No information available	No information available	No information available	-			
i									
Specific targ	et organ toxicity	v - repeated exposure	(STOT-RE):		1				
		Specific effects		Target organ		Note			
Subacute oral		No information available		No information a					
Subacute derm	nal	No information available		No information a	vailable -				
Subacute inhal	ation	No information avail	able	No information a	vailable -				
Subchronic ora		No information available		No information available					
Subchronic de	mal	No information avail	able	No information a					
Subchronic inh	alation	No information avail		No information a	vailable -				
Chronic oral		No information avail	able	No information available					
Chronic derma		No information avail	able	No information available					
Chronic inhala	ion	No information avail	able	No information a	vailable -				
CMD offorts	(carcino sanisit	, mutagonisitu varas	Luctivo tovi -:	A					
		, mutagenicity, reprod							
Carcinogenicity:				No information available No information available					
Mutagenicity in-vitro:			rmation available						
Genotovicity									
Genotoxicity	v in-vivo:	Mutagenicity in-vivo:			No information available				
				rmation available					



Page 11 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

11.2.	Information on other hazards:
11.2.1.	Endocrine disrupting properties:
	No known endocrine disrupting properties that affect human health.
11.2.2.	Other information:
	-

SECTION 12.	SECTION 12. Ecological information						
12.1. Toxicity							
Acute (short- term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note	
Fish	LC ₅₀	96 hours	Fish	No information available	8.140 mg/l (ethanol)	_	
Crustacea:	EC ₅₀	48 hours	Daphnia magna	No information available	7.800 mg/l (ethanol)	-	
Algae/aquati c plants:	IC ₅₀	72 hours	algae	No information available	5.000 mg/l (ethanol)	-	
Other organisms	-	-	-	-	-	-	
Chronic (long-term) toxicity	Doza	Exposure time	Species	Method	Evaluation	Note	
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	_	
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-	
Algae/aquati c plants	IC ₅₀	72 hours	No information available	No information available	No information available	-	
Other organisms	-	-	-	-	-	_	

12.2.	Per	Persistence and degradability					
	Abiotic degradation						
		Degradation half-lives	Method	Evaluation	Note		
Marin water		No information available	No information available	No information available	-		



Page 12 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

Fresh water	No	information a	vailable				No information available		
Air	No	information a	vailable	No inf availat	ormation ole		informati Iable	on -	
Soil	No	information a	vailable	No inf availat	ormation ole		informati lable	on _	
Biodegra	dation	<u> </u>							
% Degrada		Time (d	ays)	N	Method		Evaluatio	on	Note
-	-			-		-		-	
10.0	<u></u>								
12.3.		cumulative po		riont (log	Kow)				
Value		nol-water part Concentration		°C	Method	l	Fval	uation	Note
-	<u> </u>	201100111111111111111111111111111111111	<u>-</u>	-	-	-	-	-	11010
:			i	:	3		i	1	
Віосо	ncentr	ation Factor (BCF)						
Value		Spec	ies		Method		Eva	luation	Note
No information available		No informatio	n available	No inf	No information available		No infor		-
Chronic e	ecotox	icity							
Value		Dose	Exposu	re time	Species	M	lethod	Evaluation	Note
Value	icity	LC ₅₀	No inforr available	mation	No information available		rmation lable	No information available	-
Chronic toxi		stacea EC ₅₀ No information information ir				No information	_		
Chronic toxion fish Chronic toxion crustaces (Daphnia)	-	EC ₅₀	l l			_	lable	available	
Chronic toxi on fish Chronic toxi on crustaces (Daphnia)	a	EC ₅₀	l l			_	lable	available	



Page 13 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

	Surface tension:								
	Value	°C No information available		No information in		Ме	thod	Note	
	No information available						No information - available		
Adsoi	rption / desorption								
Transpo	rt A/D coeffi Henry's cor		log Kov	٧	Evaporation	n rate	N	Method	Note
Soil-Wat	ter No inf	ormation	No informa	ation	No informat available	ion	No inf	formation ble	-
Water-A	ir No inf	ormation	No informa available	ation	No informat available	ion	No int	formation ble	-
Soil-Air	No inf available	ormation	No informa available	ation	No informat available	ion	No int	formation ble	-
12.5.	Results of PBT and Based on available			not (contain any PF	ST or v	OvB subs	tances	
	based off available	data, tric j	oroduct does	3 1100	Contain any 1 L	31 OI VI	VD 3003	starices.	
12.6.	Endocrine disruptir	ng propert	ies						
	Based on available	data, does	not contain	endo	crine disrupto	ors.			
12.7.	Other adverse effe	cts							
	No adverse effects	are expec	ted.						
	N 13. Disposal cons		s						
13.1.	Waste treatment m	nethods							
13.1.1.	Product/Packagin	g disposal							
	Submit for dispos Protection.	al to the le	egal person a	uthor	ized by the M	inistry	of Enviro	onmental an	d Nature
13.1.2.	Waste codes/wast	te designa	tions accordi	ing to	Low:				



Page 14 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

13.1.3. Waste treatment – relevant inf	Waste treatment – relevant information:				
No information available	No information available				
13.1.4. Sewage disposal – relevant inf	ormation:				
Waste must not be disposed of	of into the sewage system.				
13.1.5. Other disposal recommendation	ons:				
authorized by the ministry in o	's remains into the sewage system. Submit the remains to the collectors harge. Do not dispose of the packaging into the sewage system. Submit s authorized by the ministry in charge.				
13.1.6. Relevant Community provision	ns:				
Disposal must be made accord	ling to official regulations.				
SECTION 14. Transport information					
Transporting/shipment by road (ADI	R)				
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:	-				
Transporting/shipment by rail (RID)					
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:	-				
Transporting/shipment by inland wa	terways (ADN)				
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:	-				
Transporting/shipment by sea (IMD)	G)				



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

amended by Regulation (EU) No. 2020/878

Page 15 of 17

Trade name:		MARTIUS YELLOW, SOLU	TION		
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

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 MARPOL73/78 and the IBC code:	-
Transporting/shipment by air (ICAO-	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:	

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



Page 16 of 17

Trade name:	MARTIUS YELLOW, SOLUTION				
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according guideline)	1999/13/EC about limitation of emissions of volatile organic compounds (VOC-
	Chemicals Act, Regulation on classification, packaging and labelin dangerous substances, Ordinance on occupational exposure limit biological limit values, Regulation on categories, types and classifi waste with a waste catalog and list of hazardous waste, Ordinance Material safety data sheet, Transport of Hazardous Substances Act	
15.2.	Chemical safety assess	sment
	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



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

amended by Regulation (EU) No. 2020/878

Page 17 of 17

Trade name:		MARTIUS YELLOW, SOLU	TION		
Product code:	MAY-OT-X**	Date of compilation:	14 Nov 2022	Version:	3

16.3.	Key I data:	iterature reference	es and	d source of _		
16.4.		ification and proce /2008 (CLP)	edure	e used to derive the classification for mixture according to Regulation (EC)		
Classific	cation		Cla	ssification procedure		
-			-			
16.5.	Relevant H statements ((nun	nber and full text)		
	225			Highly flammable liquid and vapor.		
	H:	315		Causes skin irritation.		
		319		Causes serious eye irritation.		
		335		May cause respiratory irritation.		
16.6.	Train	ing advice:	-			
16.7.	Further information: \		pro We inst	X" in the product code marks different volumes (different packaging of the duct) are not responsible for consequences in case of failure to comply with cructions for use or improper use of the product described in this material ety data sheet.		

ANNEX: Exposure	scenario re	esulting to	Chemical	safety a	assessment

_



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

Page 1 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION				
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

SECTI	ON 1 IDENTIFICATION	OF THE SU	BSTANCE/MI	XTURE AND OF THE COMPANY/UNDERTAKING	
1.1.	Product identifier				
	Trading name:	PHOSPH	OTUNGSTIC A	CID, 1% SOLUTION	
	Chemical name:	-			
	Catalogue number:	FVK1-OT	-X**		
1.2.	1.2. Relevant identified uses of the substance or mixture and uses advised against			xture and uses advised against	
	Uses:		For use wi	th 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 safe	ty data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997 +385 1 2404039		
	Fax no.:				
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact:		-		
1.4.	Emergency telephone	Emergency telephone number			
	National Protection ar	nd Rescue D	Directorate:	112	
	Medical information:		+385 1 2348 342		
	Other information:			-	

SECTIO	ION 2 HAZARDS INFORMATION				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification (REGULATION (EC) No. 1272/2008 (CLP)				
	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous subs	tance.	-		
2.1.2.	. Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-st	atements: see S	Section 16		
2.2.	Classification according to EC Dir	ective Nr. 1272	/2008 CLP)		
	Product identification:	PHOSPHOTU	INGSTIC ACID, 1% SOLUTION		
	Identification number:	-			
	Authorization no.:	-			
	Hazard pictograms:	-			



Page 2 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION			
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

	Signal word:	-		
	Hazard statements:	-		
	Precautionary statements:	-		
	Further information:	-		
2.3.	Other hazards			
	Endocrine Disrupting Proper	rties:		
	No known endocrine disruptir	ng 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)				
12501-23-4/ 603-020-3/ -	-	≤ 1%	phosphotungstic acid hydrate	Skin Corr. 1B; H314 Eye Dam. 1; H318				

SECTIO	ON 4 FIRST AID MEASURES				
4.1.	Description of first aid measure	es			
	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 aide	r: Treat symptomatically.			
4.2.	Most important symptoms and	l effects, both acute and delayed			
	FOILOWING INNSISTION.	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.			
	FOIIOWING SKIN CONTACT.	According to our findings, chemical, physical and toxicological properties of he substance have not been entirely tested.			



Page 3 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION						
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

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

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

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



Page 4 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION						
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

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

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. Thoroughly wash hands after work and before eating.					
7.2.	Conditions for safe storage, including any incom	npatibilities				
	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:	-				



Page 5 of 16

Trading name:	PI			
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

SECTION 8 EXPOS	URE CON	TROLS/PER	SONAL	PROTE	CTION			
8.1. Control p	arameters							
Substance					cupational exposure limit alues/short term values		Biological limit va	lues
			р	pm	mg/m³			
-		-			-	-	No information available	e
Substance name:								
EC No: -		CAS No:	-					
DNEL		1	,					
				Ind	ustrial			
Route of	,	Acute		Acute	•	Chronic	Chronic	
exposure: eff		ect local	effe	ect syst	emic	effect loca	l effect syster	nic
Oral	Oral					-	-	
Inhalation					-	-		
Dermal	-		-			-	-	
Critical physical pa	rameters:	solubility, fla	mmabili	ty, corr	osivity:	-		
				Con	sumer			
Route of exposure:		Acute ect local	Acute effect systemic			Chronic effect loca	Chronic I effect syster	mic
Oral	-		-			-	-	
Inhalation	-		-			-	-	
Dermal	-		-			-	-	
PNEC								
Environmental pro	tection tar	get			PNEC			
Fresh water					No inforr	mation availabl	e	
Freshwater sedime	nts				No inforr	mation availabl	e	
Marine water					No inforr	mation availabl	e	
Marine sediments				No information available				
Food chain					No information available			
Microorganisms in sewage treatment				No information available				
Soil (agricultural)					No information available			
Air				No information available				



Page 6 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION						
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

8.2.	Exposure controls						
8.2.1.	Engineering measures						
	Substance/mixture related measures to prevent exposure during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structural measures to prexposure:	event	No information available				
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to pre exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal protection equip	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						
			Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min				
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long s (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	filter fo	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 related measures to prevent expo		See Section 6				
	Structural measures to pr exposure:	event	Use modern equipment.				
	Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace.				
	Technical measures to pre exposure:	event	See Section 6				

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



Page 7 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION					
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2	

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

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

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



Page 8 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION						
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2		

Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral exposure:	No information available	-	LD ₅₀	-	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	-	-

Specific target organ toxicity – single exposure (STOT SE):						
	Specific effects Target organ Note					
Oral exposure:	No information available	No information available	-			
Dermal exposure:	No information available	No information available	-			
Inhalation exposure:	No information available	No information available	-			

Respiratory irritation:	No information available

Irritation and corrosion

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

Sensitizati	on	

Dermal exposure:	No information available	
Inhalation	No information available	
exposure:	NO IIIIOIIIIatioii available	

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



Page 9 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION				
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

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

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



Page 10 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION				
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

i i ouu	it code.	VKTOTA	Date	e or compliation.	Z I Dec Zozz	version. Z
hronic	dermal	No informat	ion available	No inform	nation available	-
Chronic	inhalation	No informat	ion available	No inforn	nation available	-
	CMR effects	(carcinogenicity,	mutagenicity,	reproductive toxicit	y)	
	Carcinogenio	city:	Based on a	vailable data, the cl	assification criteria	are not met.
	Mutagenicity	ı in-vitro:	Based on a	vailable data, the cl	assification criteria	are not met.
	Genotoxicity	•	Based on a	vailable data, the cl	assification criteria	are not met.
	Mutagenicity	ı in-vivo:	Based on a	vailable data, the cl	assification criteria	are not met.
Germ cell mutagenicity:			Based on a	vailable data, the cl	assification criteria	are not met.
Reproductive toxicity:			Based on a	vailable data, the cl	assification criteria	are not met.
11.2	Information	on other hazards	5:			
11.2.1.		srupting propert				
	components endocrine according to Commission 2017/2100 (ce/mixture does of considered disrupting of REACH Articles Delegated regular Commission of at levels of	to have properties e 57(f) or llation (EU) Regulation			
11.2.2.	Other inform	nation:	:			
	_					

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



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

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

Page 11 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION				
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

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

12.2. Persistence and degradability

Abiotic	deo	radation
7 1010110	ucu	, addition

	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	-

Biod		

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

12.3. Bioaccumulative potential

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

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



Page 12 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION				
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

			n factor (BCF)		L	4 a.4.l	J	F1 ±!		R I	4.
Value No information		No	Species inform	ormation No inform				Evaluation No information	on	Note No information availabl	
availabl	e	avai	lable		availabl	e		available		NO IIIOIIIIauoi	Tavallable
	Chronic	acatovi	city								
	Value	ecotoxi	Dose		osure	Spe	ecies	Method		Evaluation	Note
Chronic	toxicity o	n fish	LC ₅₀	No infor availa	mation able	No informavaila	mation able	No information available		information iilable	-
	Chronic toxicity on EC ₅₀		EC ₅₀	No infor availa	mation able			No information available		No information available	
12.4.	Mobility	in soil									
	Known o	r predi	cted distributi	on in e	environm	ental d	compart	ments:			
			available								
	Surface t	ension:					1			T	
	Value		°C				Method		- Note		
	No informat available	ion i	No nformation available			No information available					
	Adsorpti	on / de	sorption								
Transport A/D coefficient Henry's constant		log Kow		Evaporation rate			Method N				
Soil-wa	ter No	ilable	information	No ir availa	nformatio able	n _N	o inform	information available		No information available	1 -
Water-air No information available		No information		o inform	information available		No information available				
Water-a	ava	Soil-air No information available No information available No information available									



Page 13 of 16

Trading name:		PHOSPHOTUNGSTIC AC	ID, 1% SOLUTION		
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

12.5.	Results of PBT and vPvB assessment
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
10.6	
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 available
SECTIO	N 13 DISPOSAL CONSIDERATIONS
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
13.1.3.	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
12.1.5	Other dispersal recommendations
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-



SAFETY DATA SHEET rding to Regulation (EC) No. 1907/200

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

Page 14 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION					
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version: 2		

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:	-
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:	-
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 (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 (ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-



Page 15 of 16

Trading name:		PHOSPHOTUNGSTIC AC	D, 1% SOLUTION		
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

Special precautions for us	ser:	-
Further information:	-	

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

SECTION 16 Other information		
16.1.	Indication of changes:	-



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

Page 16 of 16

Trading name:	PHOSPHOTUNGSTIC ACID, 1% SOLUTION				
Product code:	FVK1-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

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

ANNEX:

Exposure scenario resulting to Chemical safety assessment

-



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

Page 1 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

SECTI	ON 1 IDENTIFICATION	OF THE SUB	STANCE/MI	XTURE AND OF THE COMPANY/UNDERTAKING	
1.1.	Product identifier				
	Trading name:	PONCEAU	PONCEAU S, SOLUTION		
	Chemical name:	-			
	Catalogue number:	PONS-OT-	X**		
1.2.	Relevant identified use	es of the sub	stance or mix	xture and uses advised against	
	Uses:		For used v	vith Martius Scarlet Blue kit.	
	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		sioGnost Ltd.		
	Address: N		Medjugorska 59, Zagreb		
	Telephone number: +		+385 1 2409997		
	Fax no.:	+	+385 1 2404039		
	e-mail of competent p	erson: <u>n</u>	msds@biognost.hr		
	National contact: -		-		
1.4.	Emergency telephone number				
	National Protection ar	nd Rescue Dii	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

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



PBT or a vPvB.

SAFETY DATA SHEET

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

Page 2 of 16

Trading name:	PONCEAU S, SOLUTION			
Product code:	PONS-OT-X**	Date of compilation: 21 Dec 2022	Version: 2	

	Results of PBT and vPvB assessment : According to the results of its assessment, this substance is not a			
	No known endocrine disruptir	ng properties		
	Endocrine Disrupting Proper	rties:		
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	-

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



Page 3 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

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

SECTI	SECTION 5 FIREFIGHTING MEASURES				
5.1.	Extinguishing media				
	Suitable extinguishing media:	all fire - water spray, dry powder, CO_2 ge fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media: wat	er 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 comp	oressed air breathing apparatus and fireproof clothing. with water spray or vapor.			
5.4.	Additional information				
	Remove sources of heat and ignition.				
	Do not contaminate the environment w	vith extinguishing media.			

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



Page 4 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

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

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



amended by Regulation (EU) No. 2020/878

Page 5 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

SECTION 8 EXPOSU	IRE CON	TROLS/PER	SONAL	PROTECTI	ION		
8.1. Control par							
Substance					cupational exposure limit alues/short term values		Biological limit values
				ppm	1	mg/m³	
-		-		-		-	No information available
,							
Substance - name:							
EC No: -		CAS No:	-				
DNEL							
				Industi	rial		
Route of exposure:		Acute ect local	effe	Acute ect systemi	ic	Chronic effect loca	Chronic effect systemic
Oral	-		-	,		-	-
Inhalation	-		-			-	-
Dermal	-	-				-	-
Critical physical para	meters:	solubility, fla	mmabili	ty, corrosiv	/ity:	-	
				Consur	ner	·	
Route of exposure:				Acute ect systemi	ic	Chronic effect loca	Chronic Il effect systemic
Oral	-		-			-	-
Inhalation	-		-			-	-
Dermal	-		-			-	-
PNEC							
Environmental prote	ction tar	get		PN	PNEC		
Fresh water				No	No information available		
Freshwater sediment	ts			No	No information available		
Marine water			No	No information available			
Marine sediments			No	No information available			
Food chain			No	No information available			
Microorganisms in sewage treatment			No	No information available			
Soil (agricultural)			No	No information available			
Air				No	inforn	nation availabl	e



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

Page 6 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

8.2.	Exposure controls				
8.2.1.	Engineering measures				
	Substance/mixture related measures to prevent exposure during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to prescribe exposure:	revent	No information available		
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.		
8.2.2.	Personal protection equi	pment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) o visor.			
8.2.2.2.	Skin protection				
			ard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long s (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter fo	ctive full face mask (EN 136) or half mask (EN 140) equipped with a cor 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 related measures to prevent exposure:		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 prexposure:	event	See Section 6		

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



Page 7 of 16

Trading name:		PONCEAU S, SO	LUTION		
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

	Physical state:	liquid	No information available
	Colour:	dark red	No information available
	Odour/odour threshold:	mild acetic acid like/no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lower and upper explosion limit:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	2.2 -3.2	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
.2.	Other information		

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

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



Page 8 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral exposure:	No information available	-	LD ₅₀	-	-
Dermal exposure:	No information available	-	LD ₅₀	-	-
Inhalation exposure:	No information available	-	LC ₅₀	-	-

Specific target	organ toxicity – single exposure	(STOT SE):	
	Specific effects	Target organ	Note
Oral exposure:	No information available	No information available	-
Dermal exposure:	No information available	No information available	-
Inhalation exposure:	No information available	No information available	-

Respiratory irritation:	No information available
Respiratory irritation.	INO IIIIOIIIIalioii avallable

Irritation a	nd corrosion				
	Exposure time	Species	Evaluation	Met hod	Note
Skin irritation:	-	-	-	_	-
Eve irritation:	_	_	_	_	_

Sensitizatio	on
Dermal exposure:	No information available
Inhalation	No information available
exposure:	The invertigation dvalues of

Symptoms re	elated to the physical, chemical and toxicological characteristics
Oral exposure:	No information available
Dermal exposure:	No information available
Inhalation exposure:	No information available
Eye exposure:	No information available



Page 9 of 16

Trading name:	PONCEAU S, SOLUTION			
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

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

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



Page 10 of 16

Trading name:		PONCEAU S, SC	LUTION	-
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

Todad	it code.	ONS OT A	Date	or compliation.	21 Dec 2022	VEISIOII. Z		
Chronic	dermal	No informat	ion available	No inforr	mation available	-		
Chronic	inhalation	No informat	ion available	No inforr	mation available	-		
	CMR effects	(carcinogenicity,	mutagenicity, re	productive toxici	ty)			
	Carcinogenio	city:	Based on ava	ailable data, the cl	lassification criteria	are not met.		
	Mutagenicity	/ in-vitro:	Based on ava	ailable data, the cl	lassification criteria	are not met.		
	Genotoxicity	•	Based on ava	ailable data, the cl	lassification criteria	are not met.		
	Mutagenicity	/ in-vivo:	Based on ava	ailable data, the cl	lassification criteria	are not met.		
	Germ cell mu	utagenicity:	Based on ava	ailable data, the cl	lassification criteria	are not met.		
	Reproductive	e toxicity:	Based on ava	ailable data, the cl	lassification criteria	are not met.		
11.2	Summary of evaluation of the CMR properties: - Information on other hazards:							
11.2.1.	Endocrine disrupting properties:							
	components endocrine according to Commission 2017/2100 c	ce/mixture does considered disrupting o REACH Articl Delegated regu or Commission 05 at levels o	to have properties e 57(f) or lation (EU) Regulation					
11.2.2.	Other inform	nation:						
	-							

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



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

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

Page 11 of 16

Trading name:		PONCEAU S, SC	LUTION	
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

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

12.2. Persistence and degradability

A I					
Δn	iotic	വലവ	ıran	atic	۱n
, ,,	Otic	ucu	, i u u	utic	/ I I

	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	-

Biod		

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

12.3. Bioaccumulative potential

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

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



Page 12 of 16

Trading name:		PONCEAU S, SOLUTION							
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2					

			n factor (BCF)		-	4 (1						
	alue rmation	No	Species inform	ation	No info	1ethoo rmatic			on	Note		
availabl	e	avai	lable		availabl	е		available		No information	n available	
	Chronic	ecotoxi	city									
	Value		Dose		osure ime	Spe	ecies	Method		Evaluation	Note	
Chronic	toxicity o	n fish LC ₅₀		No infor availa	mation able	No infori availa	mation able	No information available		information ailable	-	
	toxicity o ea (<i>Daphn</i>		EC ₅₀	No infor availa	mation able	No informavaila	mation able	No information available		information ailable	-	
12.4.	Mobility	in soil										
	Known o	r predi	cted distributi	on in e	environm	ental d	compart	ments:				
	No infor	mation	available									
	Surface t	ension:					_					
	Value)	°C	C	oncentrat	tion		Method		Note		
	No informat available	ion i	No nformation available		informat ilable	ion	No infavailat	ormation ble	-			
	Adsorpti	on / de	sorption									
Transpo	ort	-	pefficient constant	lo	g Kow		Evap	oration rate		Method	Note	
Soil-wa	tor No	No information No information		n N	o inform	ation available	ı	No information available	n -			
	air No	ilable	information	No ir availa	nformatio able	n N	o inform	ation available		No information available		
Water-a	Soil-air No information available					No information available No information available						



Page 13 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

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



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

Page 14 of 16

Trading name:	PONCEAU S, SOLUTION			
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

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



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

Page 15 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

Special precautions for user:	-
Further information: -	

SECTIO	ON 15 REGULATORY INFO	RMATION				
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations	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);				
	Information according 19 guideline)	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-quideline)				
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act				
15.2.	Chemical safety assessme	ent				
	None					

SECTION 16 Other information		
16.1.	Indication of changes:	-



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

Page 16 of 16

Trading name:	PONCEAU S, SOLUTION				
Product code:	PONS-OT-X**	Date of compilation:	21 Dec 2022	Version: 2	

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 use 1272/2008 (CLP)		sed to derive the classification for mixture according to Regulation (EC)	
Classifi	cation	Classification procedure	
-		-	
16.5.	Relevant H statements (number	er and full text)	
	H: -	-	
16.6.	Training advice:	-	
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX:

Exposure scenario resulting to Chemical safety assessment

_