

H.B.F.P. KIT

The kit contains:

Hematoxylin ML
Fuchsin Basic, solution
Picric acid in acetone, solution



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Trading name:	FUCHSIN BASIC, SOLUTION					
Product code:	FBO-OT-X**	Date of compilation:	21 Dec 2022	Version:	4	

SECTI	ON 1: Identification of	the substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name:	FUCHSIN B	FUCHSIN BASIC, SOLUTION			
	Chemical name:	-				
	Catalogue number:	FBO-OT-X*	*			
1.2	Relevant identified use	es of the subs	tance or n	nixture and uses advised against		
	Uses:		For use	with H.B.F.P. kit.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier	of the safety	data shee	t		
	Supplier:	Supplier:		BioGnost Ltd.		
	Address:	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent person:		msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection ar	nd Rescue Dire	ectorate:	e: 112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to F	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and cat	egory code:	Hazard statements*:			
	Not identified as hazardous substance.					
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Haza	rd-statements: see S	SECTION 16			
2.2	Label elements					
	Product identification:	FUCHSIN BASIO	, SOLUTION			
	Identification number:	-				
	Authorization number:	-				
	Hazard pictograms:	-				



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

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)
-	-	-	Contains no hazardous substances	-

SECTI	ON 4. First aid measures	
4.1	Description of first aid measures	
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.
	Following ingestion:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider:	-
4.2	Most important symptoms and ef	fects, both acute and delayed
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.



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

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

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



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

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



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

SECTION 8. Expos	ure contr	ols/perso	nal pr	otec	tion				
8.1 Control pa	arameters								
Substance		CA				cupational exposure limit alues/short term values		-	Biological limit values
					р	pm	mg/m³		
-			-			-	_	-	
Substance name:	-								
EC No:	-	CAS No	:	-					
DNEL									
					Ind	ustrial			
Route of	Acı	ute		Acut	te		Chronic		Chronic
exposure:	effect	local	ocal effect systemic		stemic	effect local			effect systemic
Oral	-		-			-		-	
Inhalation	-		-			-			-
Dermal	-		-			-			-
Critical physical pa	rameters: s	solubility,	flamm	abilit	ty, corr	osivity:	-		
					Con	sumer			
Route of	Ad	cute		Acu	te		Chronic		Chronic
exposure:	effec	t local	effe	ct sy	stemic		effect local		effect systemic
Oral	-		-			-			-
Inhalation	-		-			-			-
Dermal			-	-		-			-
PNEC									
Environmental protection target			1	PNEC					
Fresh water						no information available			
Freshwater sedime	nts					no information available			
Marine water						no inform	nation available	ļ	
Marine sediments			Marine sediments				no information available		



Food chain

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

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no information available

i ood ciidi	··			
Microorga	anisms in sewage treatment		no information available	
Soil (agric	:ultural)		no information available	
Air			no information available	
8.2	Exposure controls			
8.2.1.	Appropriate engineering controls	5		
	Substance/mixture related measu prevent exposure during identifie		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.	
	Structural measures to prevent exposure:		In accordance with Section 7.	
	Organisational measures to prevent exposure: Technical measures to prevent exposure:		Organization of work in order to reduce other worker's influence during work process.	
			Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.	
8.2.2.	Personal protection equipment	t .		
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.		
8.2.2.2.	Skin protection			
	Hand protection:		otective gloves have to satisfy the specification of tion (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min	
	Other skin protection:		everyday work use cotton clothing (EN 340) and suitable ear, such as rubber boots (EN 20345) or shoes that cover the foot. In case of spilling hazard, use clothing made of neable material suitable for protection from liquid chemicals 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) equippe with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed G		
8.2.2.4.	Thermal hazards:	No info	ormation available	
8.2.3.	Environmental exposure controls			
	Substance/mixture related measures to prevent exposure:	See Se	ction 6	



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

Colour: Odour/odour threshold: No information available/no information available no information available Melting point / freezing point: No information available	Information on basic physi	ical and chemical properties	
Colour: Odour/odour threshold: No information available/no information available Melting point / freezing point: No information available No information available		Value	Method
Odour/odour threshold: Melting point / freezing point: No information available	Physical state:	liquid	No information available
Melting point / freezing point: Melting point / freezing point: No information available	Colour:	red	No information available
Boiling point or initial boiling point and boiling range: Flammability: Lover and upper explosion limit: No information available	Odour/odour threshold:	•	No information available
point and boiling range: Flammability: No information available Lover and upper explosion limit: No information available Flash point: No information available	Melting point / freezing po	oint: No information available	No information available
Lover and upper explosion limit: No information available Flash point: No information available		No information available	No information available
Flash point: Auto-ignition temperature: Decomposition temperature: No information available	Flammability:	No information available	No information available
Auto-ignition temperature: Decomposition temperature: No information available No information available PH: No information available	Lover and upper explosion	n limit: No information available	No information available
Decomposition temperature: No information available		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 noctanol/water (log value): No information available Relative vapour density: No information available	Auto-ignition temperature	: No information available	No information available
Kinematic viscosity: No information available No information available No information available No information available Partition coefficient n- octanol/water (log value): Vapour pressure: No information available	Decomposition temperature: pH: Kinematic viscosity: Solubility:	re: No information available	No information available
Solubility: Partition coefficient n- octanol/water (log value): Vapour pressure: Density and/or relative density: No information available		No information available	No information available
Partition coefficient n- octanol/water (log value): Vapour pressure: No information available		No information available	No information available
octanol/water (log value): Vapour pressure: No information available		No information available	No information available
Density and/or relative density: No information available Relative vapour density: No information available No information available		No information available	No information available
Relative vapour density: No information available No information available	Vapour pressure:	No information available	No information available
	Density and/or relative der	nsity: No information available	No information available
Particle characteristics: No information available No information available	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available

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



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

	kicological informa tion on hazard classe		n Regulation	(FC) No 1272	2/2008	
Acute to		3 d3 demied ii	regulation	1 (20) 110 1272	-, 2000	
Route of exposure:	Method	Species		D ₅₀ /LC ₅₀ or ΓΕ _{mix}	Exposure tii	me Results
Oral:	No information available	-	No inforr available	nation	_	-
Dermal:	No information available	-	No inforr available	nation	-	-
Inhalation:	No information available	-	No inforr available	mation	-	-
Specific	target organ toxicity	– single expo	sure (STOT :	SE): Target or	man	Note
Oral:	No information a		No	information av	- Note	
Dermal:	No information a			information av	_	
Inhalation:	No information a		No	_		
milation.	No information e	- vanabie	140	mornation at	ranabic	
Aspiratio	on hazard:	No	o informatio	n available.		
Irritation	and corrosion				:	
	Exposure	time	Species	Evaluatio	n Method	Note
Skin corrosion/irritation	on:	-		-	-	-
Serious eye damage/irritation	-	-		-	-	-
Sensitiza	ation					
Skin sensitization	i i	rmation availa	able.			
Respiratory sensi		rmation availa				



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Oral exposure:	No info	rmation available.							
Dermal exposure	e: No info	No information available.							
Inhalation expos	ure: No info	rmation available.							
Eye exposure:	No info	rmation available.							
Repeate	ed dose toxicity	/ (subacute, subchr	onic, chronic)						
	Dose	Exposure time	Species	Method	Evaluation	Note			
Subacute oral	No informa available	ntion No information available	No information available	No information available	No information available	-			
Subacute dermal	No informa available	ntion No information available	No information available	No information available	No information available	-			
Subacute inhalation	No informa available	ntion No information available	No information available	No information available	No information available	-			
Subchronic oral	No informa available	tion No information available	No information available	No information available	No information available	-			
Subchronic dermal	No informa available	ntion No information available	No information available	No information available	No information available	-			
Subchronic inhalation	No informa available	tion No information available	No information available	No information available	No information available	-			
Chronic oral	No informa available	tion No information available	No information available	No information available	No information available	-			
Chronic dermal	No informa available	tion No information available	No information available	No information available	No information available	-			
Chronic inhalation	No informa available	tion No information available	No information available	No information available	No information available	-			



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Subacut	te oral	No information available			No information available	-		
Subacut	te dermal	No information available			No information available	-		
Subacut	te inhalation	No information available			No information available	-		
Subchro	onic oral	No information available			No information available	-		
Subchro	onic dermal	No information available			No information available	-		
Subchro	onic inhalation	No information available			No information available	-		
Chronic	oral	No information available			No information available	-		
Chronic	dermal	No information available			No information available	-		
Chronic	inhalation	No information available			No information available	-		
	CMR effects (c	arcinogenicity; mutagenicit	y; re	productive	toxicity)			
	Carcinogenicit	y:	Bas	sed on avail	able data, the classification	criteria are not met.		
	Mutagenicity i	n vitro:	Bas	sed on avail	able data, the classification	criteria are not met.		
	Genotoxicity:			Based on available data, the classification criteria are not met.				
	Mutagenicity <i>in vivo</i> :			Based on available data, the classification criteria are not met.				
	Germ cell mut	agenicity:	Based on available data, the classification criteria are not met.					
	Reproductive t	oxicity:	Based on available data, the classification criteria are not met.					
	Summary of properties:	evaluation of the CN	ИR	Based on met.	available data, the classific	cation criteria are no		
11.2	Information or	n other hazards:						
11.2.1.	Endocrine disr	upting properties:						
	components of disrupting pro Article 57(f) regulation (EU	e/mixture does not control on sidered to have endocrive perties according to REA or Commission Delegated 20 2017/2100 or Commission 2018/605 at levels of 0.1%	ine CH ed on					
11.2.2.	Other informa	tions:						

SECTION 12. Ecological information									
12.1 Toxicity									
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			



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Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	_
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	_
Other organisms	_	_	_	_	_	_

12.2 Persistence and degradability

Abiotic degradation

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

	ea		

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



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Octanol-water partition coefficient (log Kow) Value	Produ	ıct code:	FBO-OT-X	**		Date	of co	mpilati	on: 21 D	ec 2022		Version:	4
Octanol-water partition coefficient (log Kow) Value													
Octanol-water partition coefficient (log Kow) Value													
Octanol-water partition coefficient (log Kow) Value	12 3	Bioaccum	ulative poten	tial									
Value Concentration pH °C Method Evaluation Note	12.3		•		cient (log Kow)						
Bioconcentration factor (BCF) Value	Val							ethod	Eval	uation		Note	
Value Species Method Evaluation Note	-	-		-		_	-		-		_		
Value Species Method Evaluation Note													
Value Species Method Evaluation Note													
Value Species Method Evaluation Note													
No information available No information available No information available No information available No information available							10th o		Fyalva	tion		Note	
Chronic ecotoxicity Value Dose Exposure time Species Method Evaluation No No Information available Available No Information available Surface tension: Value Chronic toxicity on crustacea (Daphnia) Ro Ro Information available					ation							Note	
Value Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC ₅₀ No information available available available available available available available No information available available available No information available available No information available No information available No information available 12.4 Mobility in soil Known or predicted distribution in environmental compartments: No information available Surface tension: Value °C Concentration Method Note No information information information information information available No information available					ation			711		CIOII	-		
Value Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC ₅₀ No information available available available available available available available No information available available available No information available available No information available No information available No information available 12.4 Mobility in soil Known or predicted distribution in environmental compartments: No information available Surface tension: Value °C Concentration Method Note No information information information information information available No information available													
Value Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC ₅₀ No information available available available available available available available No information available available available No information available available No information available Value °C Concentration Method Note No information available No information available available													
Value Dose Exposure time Species Method Evaluation Note Chronic toxicity on fish LC ₅₀ No information available available available available available available available No information available available available No information available available No information available Value °C Concentration Method Note No information available No information available available													
Chronic toxicity on fish Chronic toxicity on fish Chronic toxicity on crustacea (Daphnia) EC 50 Information available No information available No information available No information available EC 50 Information information information information available No information available IC 50 INO NO NO NO information information available No information available IC 50 INO information available IC 50 INO information information available IC 50 INO information information information available IC 50 INO information information information information available IC 50 INO information i		Chronic e	cotoxicity				1						
Chronic toxicity on fish		Value	D	ose	-		Sp	ecies	Method	Evalu	uation	Note	
Available availa					No		No		No	No			
Chronic toxicity on crustacea (<i>Daphnia</i>) EC ₅₀ No information available EC ₅₀ No information available No information available EC ₅₀ No information information available PC Concentration Method Note No information available Available Available Available Available Available Available Available	Chron	ic toxicity on	fish LC ₅	0						1		-	
Chronic toxicity on crustacea (Daphnia) EC ₅₀ information available information available information available information available information available information available 12.4 Mobility in soil Known or predicted distribution in environmental compartments: No information available Surface tension: Value °C Concentration Method Note No information information information available available available available information available information available information available information available information available information information available information information available information information information available information inf						able		able			Jie		
Available Available Available Available Available Available Available Available Available		•	: F(c	0	infor		infor		information	inform		-	
Known or predicted distribution in environmental compartments: No information available Surface tension: Value °C Concentration Method Note No No No information available available available available -			.,		availa	able	availa	able	available	availak	ole		
Known or predicted distribution in environmental compartments: No information available Surface tension: Value °C Concentration Method Note No No No information available available available available -	12.4	Mobility	n soil										
No information available Surface tension: Value °C Concentration Method Note No No No information information information available available available information available information information available information available information i	12.4			stributio	on in e	nvironm	ental (compart	ments:				
Value °C Concentration Method Note No information information information No information available available available -			•		JII III C		ierrear v	compare					
No No information No information available -		Surface te	nsion:										
information information available -		Value	٥(C	C	oncentra	tion		Method			Note	
information available available -					No	informa	tion	No inf	formation				
										-			
		available	avanabi										
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,	Adsorption / desorption					
Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note	
Soil-wate	No information available	No information available	No information available	No information available	-	
Water-air	No information available	No information available	No information available	No information available	-	
Soil-air	No information available	No information available	No information available	No information available	-	
	Results of PBT and vPvB asses					
á	The substance/mixture does raccording to REACH Article 5 Regulation (EU) 2018/605 at I	7(f) or Commission	n Delegated regulat			
12.6. I	Endocrine disrupting propert	ies				
á	The substance/mixture does of according to REACH Article 5 Regulation (EU) 2018/605 at I	7(f) or Commission	n Delegated regulat			
12.7	Other adverse effects					
	No further relevant information	on available.				
SECTION	l 13. Disposal consideration	S				
13.1	Waste treatment methods					
13.1.1.	Product/Packaging disposa	l:				
	Submit for disposal to the l Protection.	egal person autho	rized by the Ministr	y of Environmental	and Nature	
13.1.2.	Waste codes/waste designa	ations according to	Law:			
	15 01 10*: Packaging that contains residual hazardous substances or is contaminated with hazardous substances					
13.1.3.	Waste treatment – relevant	information:				
	No information available					
13.1.4.	Sewage disposal – relevant	information:				
13.1.7.	Jewage disposal Televant	iiiioiiiiadoii.				



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Trading name:	FUCHSIN BASIC, SOLUTION				
Product code:	FBO-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	Waste must not be disposed	of into the sewage system.				
12.15	Oil II I					
13.1.5.	Other disposal recommenda					
	authorized by the ministry in	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Relevant Community provisions:				
13.1.6.	Relevant Community provision	ons:				
	Disposal must be made acco	rding to official regulations.				
SECTION	N 14 TRANSPORT INFORMAT	ION				
	Transporting/shipment by road	d (ADR)				
UN num		Not subject to transport regulations				
	er shipping name:	-				
	t hazard class(es):	-				
Packing		-				
	nentally hazardous:	-				
Special precautions for user:		-				
 	Transporting/shipment by rail	(RID)				
UN number:		Not subject to transport regulations				
UN proper shipping name:		-				
	t hazard class(es):	-				
Packing	group:	-				
Environn	nentally hazardous:	-				
Special p	precautions for user:	-				
	Inland waterway transport (AD	N)				
UN num	ber:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing	group:	-				
Environn	nentally hazardous:	-				
Special p	precautions for user:	-				
	Transporting/shipment by sea	(IMDG)				
UN num	ber:	Not subject to transport regulations				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing	group:	-				



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Environmentally hazardous:	-			
Special precautions for user:	-			
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-			
Transporting/shipment by air (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: -				

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



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

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

ANNEX: Exposure scenario resulting to chemical safety assessment	
-	



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Trading name:	HEMATOXYLIN ML						
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9		

1.1.	Product identifier					
	Trading name:	HEMATO	HEMATOXYLIN ML			
	Chemical name:	-				
	Catalogue number:	HEMML				
1.2.	Relevant identified use	es of the su	ubstance or m	ixture and uses advised against		
	Uses:		Modified	hematoxylin acc. to Mayer-Lillie for nuclear staining.		
	Uses advised against:		Only the	identified uses are advised.		
	Reason why uses advi	sed agains	uct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes			
1.3.	Details of the supplier	of the safe	ety data sheet			
	Supplier: Bio		BioGnost Ltd.	ioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Fax no.: +		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4.	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue	Directorate:	112		
	Medical information:			. 205 1 2240 242		
	Medical information:			+385 1 2348 342		

SECTIO	ECTION 2. Hazards identification					
2.1.	Classification of the substance or	Classification of the substance or mixture				
2.1.1.	Classification according to Regul	ation (EC) No 1272/20	08 (CLP)			
	Hazard class and cate	gory code:	Hazard statements*:			
	Eye Irr. 2 H319					
2.1.2.	Additional information					
	-					
*For ful	I text of Hazard- and EU Hazard-sta	atements: see Section	16			
2.2.	Label elements					
	Product identification: HEMATOXYLIN ML					
	Identification number: -					
	Authorization no.:	-				



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Trading name:	HEMATOXYLIN ML						
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	Hazard pictograms:	GHS07			
	Signal word:	Warning			
	Hazard statements:	H319 Causes serious eye irritation.			
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.			
	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. C	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)			
7784-31-8/ 616-524-3/ -	-	3 – 4 %	aluminum sulfate octadecahydrate	Eye Dam. 1; H318			

SECTI	ON 4. First aid measures	
4.1.	Description of first aid measu	ures
	General notes:	Take off contaminated clothing.
	Following inhalation:	Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.
	Following skin contact:	Rinse skin with water/shower. In all cases of doubt, or when symptoms persist, seek medical advice.
	Following eye contact:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
	Following ingestion:	Rinse mouth. Call a doctor if you feel unwell.



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Trading name:	HEMATOXYLIN ML						
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	Self-protection of the first aider: Treat symptomatically.					
4.2.	Most important symptom	Most important symptoms and effects, both acute and delayed				
	Following inhalation:	Following inhalation: No information available				
	Following skin contact: No information available					
	Following eye contact: Risk of blindness, Risk of serious damage to eyes.					
	Following ingestion: No information available					
4.3.	Indication of any immediate medical attention and special treatment needed					
	-					

SECTIO	CTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, 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:	No information available			
5.3.	Advice for firefighters				
	Do not enter fire area without pro	per protective equipment, including respiratory protection.			
5.4.	Additional information				
	Remove sources of heat and ignit Do not contaminate the environm				

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equ	uipment 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:				
	Do not enter fire area without prope	er protective equipment, including respiratory protection.			
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 containm	ent and cleaning up			



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6.3.1.	Bunding, covering of drains; capping procedures:	Covering of drains. Take up mechanically.			
6.3.2.	Cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers. 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:	Place in appropriate containers for disposal.			
6.4.	Reference to other sections				
	See Section 7 for information about secure handling.				
	See Section 8 for information about personal protective equipment.				
	See Section 13 for information	n about containment.			

SECTIO	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	. Protection measures				
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.			
	Measures to prevent aerosol and dust generat	ion: 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 place.			
	Packaging materials:	Manufacturer's original packaging. Keep away from food and drink. Keep the containers tightly closed.			
	Requirements for storage rooms and vessels:				
	Advices for storage equipment: The storage must be made of hard material; floors be resistant to chemicals. There must be no drain t 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)				



Marine sediments

Soil (agricultural)

Microorganisms in sewage treatment

Food chain

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

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Trading nam	ie:					HEMA	TOXYLIN ML		-	
Product cod	e:	HEMMI	OT-X**	R	Revisio	on date:	27.03.2023.		Version:	9
Dane										
		ndations:	· C· 1 .·			-				
Indu	istriai	sector spe	ecific solutio	ns:		-				
SECTION 8. E	vnosi	ure contr	ols/nerson:	al protec	tion					
		rameters	ois/persoria	ii protec						
0.1.	ti Oi pe	iranie ters			00	cupation	al exposure limit			
Substance		CAS I	No		•	ort term values	E	Biological limit v	alues	
						ppm	mg/m³			
-			-			-	-	No ir	nformation avail	able
Substance name:	Alun	ninium su	lphate octa	decahydı	rate					
EC No: 233-135-0		CAS No:	77	7784-31-8						
DNEL										
					Inc	dustrial				
Route of		A	Acute	Acute		9	Chronic		Chron	ic
exposure:		effe	ect local	effect sys		temic	effect local		effect syst	temic
Oral		-		-			-		-	
Inhalation		-		-			-		13,4 mg/m ³	
Dermal		-	-				_		3,8 mg/kg bw,	/day
Critical physic	al par	ameters:	solubility, fla	ımmabili	ty, cor	rosivity:	-			
		_			Co	nsumer				
Route of			Acute	Acute			Chronic		Chron	
exposure:		effe	ect local	effe	ct syst	temic	effect local		effect syst	temic
Oral		-		-			-		-	
Inhalation -		-		-			-		-	
Dermal		-		-			-		-	
PNEC										
Environmental protection target			PNEC							
Fresh water						No infor	mation available			
Freshwater se	dimer	nts				No information available				
Marine water				No information available						

No information available

No information available

No information available

No information available



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Air			No information available				
8.2.	Evnocuro controle						
8.2.1.	Exposure controls						
0.2.1.	Engineering measures Substance/mixture relate	-d					
	measures to prevent exp 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 preserve:	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 prevent exposure:		event	Secure proper workspace ventilation in order to keep concentratio levels in air below permitted levels.				
8.2.2.	Personal protection equi	Personal protection equipment					
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:	Chem 374.	mical protection gloves are suitable, which are tested according to EN Glove material: nitrile rubber Glove thickness: > 0.11 mm Break through time: >480 min				
	Other skin protection:		ar antistatic clothing made of natural fibers (such as cotton) with long eves (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	In cas	se of inadequate ventilation wear respiratory protection.				
8.2.2.4.	Thermal hazards:	No in	nformation available				
8.2.3.	Environmental exposure	control	s				
	Substance/mixture relate measures to prevent exp		See Section 6				
	Structural measures to preserve:	revent	Use modern equipment.				
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace. Keep away from drains, surface and ground water.				
	Technical measures to prexposure:	event	See Section 6				

SECTIO	SECTION 9. Physical and chemical properties				
9.1.	. Information on basic physical and chemical properties				
		Value	Method		



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



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	HEMML-OT-X**		HEMML-OT-X** Revision date: 27.03.2023.	

Product code:	HEMML-OT-X**	Revision date:	27.03.20	Version: 9	
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or	Exposui time	re Results
Oral exposure:	anhydrous (ECHA)	rabbit	ATE _{mixture}	-	>2.000-<5.000 mg/kg (aluminium sulphate octadecahydrate)
Dermal exposure:	anhydrous (ECHA)	rat	LD ₅₀	-	>5.000mg/kg (aluminium sulphate octadecahydrate)
Inhalation exposure:	No information available	-	LC ₅₀	-	-
Specific ta	rget organ toxicity – singl	•	1		
	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		-
Respirator	y irritation:	No information av	ailable		
Irritation a	and corrosion				
l l	Exposure time	Species	Evaluati on	Meth od	Note
Skin irritation:	-	-	-	-	
Eye irritation:	_	-	-	- C	auses serious eye damage
Sensitizati					
Dermal exposure:	No information available				

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



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Trading name:	HEMATOXYLIN ML				
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Inhalation expos	ure:	No informati	on available					
Eye exposure:		Causes serio	us eye damage	9				
Repeat	ed dos	se toxicity (sub	oacute, subchr	onic, chronic)				
		Dose	Exposure time	Species	Method	Evaluation	า	Note
Subacute oral	No availa	information able	No information available	No information available	No information available	No inform	nation	-
Subacute dermal	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Subacute inhalation	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Subchronic oral	No availa	information able	No information available	No information available	No information available	No information available		-
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No information available		-
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Chronic oral	No availa	information able	No information available	No information available	No information available	No inform available	nation	-
Chronic dermal	No availa	information able	No information available	No information available	No information available	No information available		-
Chronic No information inhalation available		No information available	No information available	No information available	No inform available	nation	-	
Specific	targe	t organ toxici	ty – repeated e	•	-			
			Specific effect	:S	Target or			Note
Subacute oral			tion available		No information available		-	
Subacute derma			tion available		No information available		-	
Subacute inhalat	tion		ition available		No information		-	
Subchronic oral		No informa	ition available		No information	available	_	



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Subchronic dermal		No information available		No information available	-		
Subchro	Subchronic inhalation No information avai		lable No information available		-		
Chronic	oral	No information avai	lable	No information available	-		
Chronic	dermal	No information avai	lable	No information available	-		
Chronic	inhalation	No information avai	lable	No information available	-		
	CMR effects (carcinogenicity, mutag	enicity, reproduct	ive 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	agenicity:	No information available No information available				
	Reproductive	toxicity:					
	Summary of e	valuation of the CMR	properties:	-			
11.2.	Information o	n other hazards:					
11.2.1.	Endocrine dis	rupting properties:					
	No known properties that	endocrine disrupt It affect human health.	•				
11.2.2.	Other informa	ations:					

SECTION	12. E	cologica	l informa	ition
----------------	-------	----------	-----------	-------

Toxicity 12.1.

Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Fish	ЕСНА	>85.9 mg/l (aluminium sulphate octadecahydrate)	-
Crustacea:	EC ₅₀	48 hours	aquatic invertebrates	ЕСНА	>200 mg/l (aluminium sulphate octadecahydrate)	-
Algae/aquatic plants	IC ₅₀	8 days	algae	No information available	_	-



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Microorganisms	LC ₅₀	72 hours	-	-	_	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	EC ₅₀	180 min	microorganisms	ECHA	>1.000 mg/l (aluminium sulphate octadecahydrate)	-

Persistence and degradability 12.2.

Abiotic degradation

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

Biodegradation

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

Bioaccumulative potential 12.3.

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

Malua	Camaantustian	-11	۰,۲	Mathaad	F	NI-t-
Value	Concentration	рН	°C	Method	Evaluation	Note
-	No information available	-	-	No information available	No information available	-



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V	alue		Species		Meth	hod	Eva	luation		Not	:e
No information available		No avai	inform lable	information		No information available		No information available		No information available	
	Chronic	ecotox	icity								
	Value		Dose		osure me	Species	Meth	od	Ev	aluation	Note
Chronic	toxicity or	n fish	LC ₅₀	No inforr availa	nation i	No nformat on available	No inform available	ation	No info	ormation ble	-
	toxicity or ea (<i>Daphni</i>		EC ₅₀	No inforr availa	nation i	No nformat on available	No inform	ation	No info	ormation ble	-
		mation	icted distribut n available n:	ion in e	environme	ntal com	partments:				
	Value		°C		Concen	tration	Meth	od		Note	
	No informat available	ion	No inform available	nation	No inforr available		No inform available	ation	-		
	Adsorpti	on / de	esorption								
Transpo	ort	-	pefficient s constant	lo	g Kow	Evapo	ration rate	М	lethod	N	lote
Soil-wa	ter No avai	lable	information	No in availa	formation ble	No info	ormation le	No infa	ormatio ole	n -	
Water-a	air No avai	lable	information	No in availa	formation ble	No info	ormation le	No info	ormation ole	n -	
Soil-air	No	lable	information	No in availa	formation	No info	ormation	No infa	ormatio	n _	



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Trading name:	HEMATOXYLIN ML					
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12.5.	Results of PBT and vPvB assessment
12.5.	No information available
	The information dvaluable
12.6.	Endocrine disrupting properties
	No known endocrine disrupting properties that affect the environment.
12.7.	Other adverse effects
12.7.	No adverse effects are expected.
	no auverse 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.	Western de de designations according to Laure
13.1.2.	Waste codes/waste designations according to Law: No information available
	NO IIIIOITTIALIOIT AVAIIADIE
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:
	-
CECT: C	
SECTIO	N 14. Transport information



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Trading name:	HEMATOXYLIN ML					
Product code:	HEMML-OT-X**	Revision date:	27.03.2023.	Version:	9	

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	t (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:	-
Special precautions for user:	-



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Trading name:	HEMATOXYLIN ML				
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Further information:	The product is not subject to classification.
ruftilei illioittiation.	The product is not subject to classification.

15.1.	Safety, health and enviro	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or res	trictions of use
	Authorizations:	-
	Restrictions:	-
		Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;
	Other EU regulations:	Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;
		Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;
		Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 19 guideline)	999/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessme	ent
	None	

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



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Trading name:	HEMATOXYLIN ML				
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16.2.	Abbreviations and acronym	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:	d _			
16.4.	Classification and procedure 1272/2008 (CLP)	e used to derive the classification for mixture according to Regulation (EC)			
Classific	cation	Classification procedure			
-		-			
16.5.	Relevant H statements (num	nber and full text)			
	H: 318	Causes serious eye damage.			
	319	Causes serious eye 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
ĺ	-



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Trading name:	PICRIC ACID IN ACETONE, SOLUTION				
Product code:	PKA-OT-X**	Revision date:	23 Dec 2022	Version:	6

1.1	Product identifier				
	Trading name:	PICRIC ACII	O IN ACET	one, solution	
	Chemical name:	-	-		
	Catalogue number:	PKA-OT-X**			
1.2	Relevant identified us	es of the subs	tance or m	nixture and uses advised against	
	Uses:		For use v	with special staining kits.	
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3	Details of the 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 person:		msds@biognost.hr		
	National contact:		-		
	Emergency telephone number				
1.4		National Protection and Rescue Dire		112	
1.4	National Protection a	nd Rescue Dire	ectorate:	112	
1.4	National Protection a Medical information:	nd Rescue Dire	ectorate:	+385 1 2348 342	

SECTIO	ECTION 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Regul	ation (EC) No 1272/2008 (CLP)			
	Hazard class and categor	y code: Hazard statements*:			
	Flam. Liq. 2	H225			
	Eye Irr. 2	H319			
	STOT SE 3	H336			
		EUH066			
2.1.2.	Additional information				
-					
*For fu	*For full text of Hazard- and EU Hazard-statements: see SECTION 16				
2.2	Label elements				
	Product identification:	PICRIC ACID IN ACETONE, SOLUTION			



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Trading name:	PICRIC ACID IN ACETONE, SOLUTION				
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	Identification number:	-		
	Authorization number:	-		
	Hazard pictograms:	GHS02 GHS07		
	Signal word:	Danger		
	Hazard statements:	 H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking. 		
	Precautionary statements:	P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	Results of PBT and vPvB asses PBT or vPvB substances.	own specific hazards for human or environment. ssment: Based on available data, the product does not contain any y: Based on available data, does not contain endocrine disruptors.		

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)	
67-64-1/ 200-662-2/ 606-001-00-8	-	80 - 100 %	acetone	Flam. Liq. 2; H225 Eye Irr. 2; H319 STOT SE 3; H336	
88-89-1/ 201-865-9/ 609-009-00-X	-	< 0.1 %	picric acid	Expl. 1.1; H201 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331	



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Trading name:		TONE, SOLUTION			
Product code:	PKA-OT-X**	Revision date:	23 Dec 2022	Version:	6

4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medica 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.			
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plent 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 the victim is unconscious or suffers from convulsions.			
	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:	Defatting, dry skin.			
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.			
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.			

SECTIO	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Dry powder, alcohol-resistant foam, water spray, carbon-dioxide.			
	Unsuitable extinguishing media:	No information available.			
5.2	Special hazards arising from the substance or mixture				
	Hazardous combustion products: No information available.				
5.3	Advice for firefighters				
	Wear full protective clothing and self-contained breathing apparatus. Cool the fire affected containers with water spray. Use water spray to dissipate alcohol vapors.				



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Trading name:		PICRIC ACID IN ACE	TONE, SOLUTION		
Product code:	PKA-OT-X**	Revision date:	23 Dec 2022	Version:	6

5.4	Additional information
	-

6.1	Personal precautions, protective	ve 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:				
	Avoid contact with skin, eyes and clothing and inhaling gases, vapors and aerosols. Ensure adequate ventilation. Vapors may accumulate at floor level in low and confined spaces. Remove all heat, ignition and spark sources, turn off machines. Ignition spark arrestor must not be operated in the danger area. Use spark-proof tools. Be aware of 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 cont	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.	Cleaning up:	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. During the collection, placement, disposal of the waste, wear appropriate individual protective equipment. Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).			
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).			
6.4	Reference to other sections				
See Section 7 for information on safe handling.					
	See Section 7 for information on sale handling. See Section 8 for information on personal protection equipment.				

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



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Product code:	PKA-OT-X**	Revision date:	23 Dec 2022	Version:	6

	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	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. Th	oroughly was	sh hands after work and before eating.		
7.2	Conditions for safe storage, including any incom	patibilities			
	Technical measures and storage conditions:	away from unopened	well-ventilated place, protected from sunlight, a sources of heat and ignition, in its original, and hermetically sealed packaging, away dizing agents, food, feed and articles of ion.		
	Packaging materials:	Manufactu	ufacturer's original packaging.		
	Requirements for storage rooms and vessels:	Keep away	y from food and drink. Keep the containers sed.		
	Advices for storage equipment:	be resista	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:	and do n	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	CAS No		exposure limit t term values	Biological limit values	
		ppm	mg/m³		
Acetone	67-64-1	500/-	1210/-	-	
Substance name: -					



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Trading name:		PICRIC ACID IN A	CETONE, SOLUTION	-	
Product code:	PKA-OT-X**	Revision date:	23 Dec 2022	Version:	6

			1							
EC No:		-	CAS No):	-					
DNEL										
					In	dus	trial			
Route of		Acu	te		Acute	Chronic			Chronic	
exposure:		effect	local	effe	ct systemi	ic		effect local	effe	ct systemic
Oral	-			-			-		-	
Inhalation	-			-			-		1210 mg/n	n³ (acetone)
Dermal	-			-			-		186 mg/kg	(acetone)
Critical phy	sical param	neters: s	olubility,	flamm	nability, co	rros	sivity:	-		
					Co	onsu	ımer			
Route of		Ac	cute		Acute			Chronic		Chronic
exposure:		effec	t local	effe	ct system	ic		effect local	effe	ct systemic
Oral		-		-			-		-	
Inhalation		-		-			-		200 mg/m ³	
Dermal		-		-			-		62 mg/kg ((acetone)
PNEC						1				
Environmental protection target				PNEC						
Fresh water	r					10.6 mg/l (acetone)				
Freshwater	sediments					30).4 mg/l	kg (acetone)		
Marine wat	er					1.06 mg/kg (acetone)				
Marine sed	iments					3.04 mg/kg (acetone)				
Food chain						no information available				
Microorgar	nisms in sev	wage tre	eatment			10	00 mg/l	(acetone)		
Soil (agricu	ltural)					33	3.3 mg/l	(g (acetone)		
Air						nc	inform	ation available		
_										
8.2	Exposure	control	S							
8.2.1.	Appropri	ate engi	ineering	contro	ls					
	Substance prevent e	-				cc cc ex	oncentra oncentra cisting	ntion limit it is ntion levels dov scientific and te	s material with the employer's wn to a minimur echnological me ses no harm to w	duty to keep achievable by ans, where the
	Structural exposure:		res to pr	event		ln	accord	ance with Sectio	on 7.	
	Organisat exposure:		neasures	to prev	vent	Organization of work in order to reduce other worker's influence during work process.				



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	Technical measures to prevent ex	xposure:	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:	Use appropriate, chemical-proof protective glasses/face shield (EN ISO 16321-1:2022, EN 166).		
8.2.2.2.	Skin protection			
	Hand protection:	Use appropriate, chemical-resistant protective gloves (EN 374). Use appropriate protective clothing.		
	Other skin protection:			
8.2.2.3.	Respiratory protection:	In case of normal usage and ventilation, it is not necessary. If concentration of ethyl alcohol exceeds occupational exposure limits in the air, use a self-contained breathing apparatus. For short contact and if the oxygen content of the air is greater than 18 %, use a protective 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:	Use mo	odern equipment.	
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace. See Section 6		
	Technical measures to prevent exposure:			

9.1	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	yellow	No information available
	Odour/odour threshold:	acetone 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



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	-		
9.2	Other information		
	Particle characteristics:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
	Solubility:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	рН:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Flash point:	< 0 °C	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flammability:	No information available	No information available

SECTIO	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.						

11.1 Informa	ntion on hazard o	lasses as defined in	Regulation (EC) No 127	2/2008	
Acute to	oxicity:				
Route of exposure:	Method	Species	Dose LD_{50}/LC_{50} or ATE_{mix}	Exposure time	Results
Oral:	-	rat (acetone)	LD ₅₀	-	5.800 mg/kg
Dermal:	-	rabbit (acetone)	LD ₅₀	-	20.000 mg/kg
Inhalation:	-	rat (acetone)	LC ₅₀	4 h	76 mg/l



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Specific	target orga	n toxicit	y – single exp	oosure (S	TOT SE)	:			
		Speci	ific effects			Target organ	١		Note
Oral:	No info	lo information available			No inf	ormation availa	able	-	
Dermal:	No info	ormation	available		No inf	ormation availa	able	-	
Inhalation:	Narcot	arcotic effects			No inf	ormation availa	able	may caus or dizzine	e drowsiness ess.
Aspirati	on hazard:			No inforr	nation a	available.			
Irritatio	n and corro	sion							
:		Exposur	e time	Speci	es	Evaluation	Method		Note
Skin corrosion/irritati	on:			-		-	_	-	
Serious eye damage/irritatio	n –			-		-	-	-	
Sensitiz	ation								
Skin sensitization	n:	No inf	ormation ava	ilable.					
Respiratory sens	itization:	No inf	ormation ava	available.					
Sympto	ms related	to the ph	nysical, chemi	ical and t	oxicolo	gical characteri	stics		
Oral exposure:	unco	nscious	ness and alco	hol poisc	ning. In	r cause dizz case of swallow ed exposure m	wing great	•	nausea and
Dermal exposure		r prolon king of s		ated exp	osure	symptoms ma	y include:	defatting,	dryness and
Inhalation expos	IIro.	lation of nbranes.	great quantit	ies may c	ause di	zziness, euphor	ia and mild	d irritation o	of the mucous
Eye exposure:	May	cause in	ritation and r	edness.					
Repeate	ed dose toxi	city (sub	acute, subch	ronic, chr	onic)				
į ·	Dos		Exposure time	Specie		Method	Evalua	tion	Note
Subacute oral	No infor available	mation	No information available	No inform availa		No information available	No inf	ormation ole	_



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Trading name:		PICRIC ACID IN ACETONE, SOLUTION						
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Subacute dermal	No availa	information able	No information available	No information available	No information available	No inforn available	nation	-
Subacute inhalation	No availa	information able	No information available	No information available	No information available	No inforn available	nation	-
Subchronic oral	No availa	information able	No information available	No information available	No information available	No inforn available	nation	-
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No inforn available	nation	-
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No inforn available	nation	-
Chronic oral	No availa	information able	No information available	No information available	No information available	No inforn available	No information available	
Chronic dermal	No availa	information able	No information available	No information available	No information available	No inforn available	nation	_
Chronic inhalation	No availa	information able No informatio available		No information available	No information available	No inforn available	nation	-
Specific	target	organ toxicit	<u>- </u>	xposure (STOT				NI .
Subacute oral		No informa	Specific effection available	TS	Target o			Note
Subacute derma	I		ition available		No information available - No information available -		_	
Subacute inhalat			ition available				_	
Subchronic oral			ition available		No information available -		-	
Subchronic derm	nal		ition available		No information available -		-	
Subchronic inhal	ation	No informa	ition available		No informatio	n available	-	
Subcilionic initial		No informa	ition available		No informatio	n available	-	
	hronic dermal No information available			No information available -				
Chronic oral Chronic dermal		ivo intorma						



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•						
	Mutagenicity in vitro:	sed on available data, the classification criteria are not met.				
	Genotoxicity: Ba	Based on available data, the classification criteria are not met.				
	Mutagenicity <i>in vivo</i> :	sed on available data, the classification criteria are not met.				
	Germ cell mutagenicity: Ba	sed on available data, the classification criteria are not met.				
	Reproductive toxicity: Ba	sed on available data, the classification criteria are not met.				
	Summary of evaluation of the CMR properties:	Based on available data, the classification criteria are not met.				
11.2	Information on other hazards:					
11.2.1.	Endocrine disrupting properties:					
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.					
11.2.2.	Other informations:					
	-					

SECTION 12. 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	6.210 mg/l (acetone)	-		
Crustacea:	EC ₅₀	48 hours	daphnia magna	No information available	8.800 mg/l (acetone)	-		
Algae/aquatic plants	IC ₅₀	4 days	algae	No information available	530 mg/l (acetone)	-		
Other organisms	-	_	-	_	-	-		
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-		



available

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					···•						
Crustacea:	FC ₅₀	48 hours	No information	No information	No information	-					

Crustacea:		EC ₅₀	48 hours		No information available	No information available		No information available	
Algae/aquatio	plants	IC ₅₀	72 hours		No information available	No information available	No inf availat	ormation ole	-
Other organis	ms	-	-		_	-	-		-
12.2 Persi	ctonco o	and dograd	ability.						
	tic degra	adation	аршту						
		egradation	half-lives		Method	Evaluation	on	1	Note
Marine water		nformation			information ilable	No information	on	-	
Fresh water	No ii	nformation	available		information iilable	No information	on	-	
Air	No i	nformation	available		information No information available		on	-	
Soil	il No information available		available	No information available		No information available		-	
Biod	egradati	on							
% Degrada	tion	Time	(days)		Method	Evaluatio	on	١	Vote
No information	on	No i available	nformation	No information available		No information available		No information available	
12.3 Bioa	ccumula	tive potent	ial						
Octa	nol-wate	er partition	coefficient (log k	(ow)	3		*	
Value	Con	centration	рН	°C	Method	Eval	uation		Note
	-		-	-	-	-		-	
Bioco	oncentra	ition factor	(BCF)						
Value		Spec			Method	Evaluat	ion		Note
-	٨	lo i	nformation	No	information	No informat	tion	-	

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							1					
	Chronic 6	ecotoxi	city				1	1			i	
	Value		Dose	Exposure time	Spe	ecies	Meth	nod	Evaluati	on	Note	<u> </u>
Chronic	toxicity o	n fish	LC ₅₀			o No formation informa vailable availab		ation i	No information available		-	
	toxicity on ea (<i>Daphni</i>		EC ₅₀	No information available	No inforr availa	nation Ible	No informa availab	ation i	No Informati available	on	-	
12.4	Mobility	in soil										
· · ·			ted distributi	on in environme	ental c	ompart	ments:					
	No inforr	mation	available									
	Surface t	ension:										
	Value	alue °C Concentration Method					Note					
	No informati available	on i	No nformation available	No information No infavailable availa		formation		-				
	Adsorpti	on / de	sorption									
Transpo	ort	-	coefficient 's constant	log Kow	Ev	/aporati	on rate	M	ethod		Note	
Soil-wa	No information available			No information available		No information available		No information available		-	-	
Water-air No information available		No informatio available		No information available		No information available		-	-			
Soil-air No information available				o inform ailable				-				
12.5	Results o	f PBT a	nd vPvB asses	ssment								
	This subs	tance/i	mixture conta	ins no compone and very bioacc	ents co	onsidere	ed to be	either pe	ersistent,	bioa	ccumulative	and
	LOVIC (LD	1 <i>),</i> OI VE	riy persistelli	and very bloace	uniulo	ILIVE (VF	vu) at ie	ACID OI O	. 1 /0 OI III	gn c i.	•	



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12.6.	Endocrine disrupting propertie	es s		
		ot contain components considered to have endocrine disrupting properties (f) or Commission Delegated regulation (EU) 2017/2100 or Commission vels of 0.1% or higher.		
12.7.	Other adverse effects			
	Do not let the product or its re	sidues reach sewer system, waterways and soil.		
SECTION	N 13. Disposal considerations			
13.1	Waste treatment methods			
13.1.1.	Product/Packaging disposal:			
	Submit for disposal to the le Protection.	gal person authorized by the Ministry of Environmental and Nature		
13.1.2.	Waste codes/waste designat			
	Packaging that contains residual	dual hazardous substances or is contaminated with hazardous substances		
13.1.3.	Waste treatment – relevant information:			
	No information available			
13.1.4.	Sewage disposal – relevant i	nformation:		
	Waste must not be disposed	of into the sewage system.		
13.1.5.	Other disposal recommenda			
	authorized by the ministry ir	act's remains into the sewage system. Submit the remains to the collectors in charge. Do not dispose of the packaging into the sewage system. Submit ors authorized by the ministry in charge. Unused product residues may be		
13.1.6.	Relevant Community provision	ons:		
	Disposal must be made acco	rding to official regulations.		
SECTION	N 14 TRANSPORT INFORMAT	ION		
	Transporting/shipment by road	d (ADR)		
UN num	ber:	1090		
UN prop	er shipping name:	Acetone		
Transpor	t hazard class(es):	3		



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Packing group:	
Environmentally hazardous:	_
Special precautions for user:	_
Transporting/shipment by rail (R	
UN number:	1090
UN proper shipping name:	Acetone
Transport hazard class(es):	3
Packing group:	
Environmentally hazardous:	-
Special precautions for user:	_
Inland waterway transport (ADN)	
UN number:	1090
UN proper shipping name:	Acetone
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	_
Transporting/shipment by sea (IN	
UN number:	1090
UN proper shipping name:	Acetone
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	_
Transport in bulk according to Annex II	
of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC.	AO-TI/IATA-DGR)
UN number:	1090
UN proper shipping name:	Acetone
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	



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15.1	ON 15. Regulatory information Safety, health and enviror	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; 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 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	nt
	None	

SECTION 16. Other information		
16.1	Indication of changes:	-



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16.2	Abbreviations and acronyms:		ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:		-
16.4.		cation and procedure 008 (CLP)	used to derive the classification for mixture according to Regulation (EC)
Classif	Classification		Classification procedure
-			-
16.5.	Relevar	nt H statements (numb	per and full text)
	H:	201 225 301+311+331 319 336 (EUH066)	Explosive; mass explosion hazard. Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin and if inhaled. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.
16.6.	Trainin	g advice:	-
16.7.	Further information:		** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to chemical safety assessment
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