

AZAN TRICHROME KIT

The kit contains:

Azocarmine, solution
Aniline, alcoholic solution
Acid alcohol, Azan
Phosphomolybdic acid, 5% solution
Azan reagent



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Trading name:	AZOCARMINE, SOLUTION			
Product code:	AZ-OT-X**	Date of compilation:	14 November 2022	Version: 4

SECTI	ION 1: Identification of	the substan	ce/mixture a	nd of the company/undertaking	
1.1.	Product identifier	Product identifier			
	Trading name:	AZOCARN	AZOCARMINE, SOLUTION		
	Chemical name:	-			
	Catalogue number:	AZ-OT-X**			
1.2.	Relevant identified us	es of the sub	stance or mix	ture and uses advised against	
	Uses:		For use wit	th Azan Trichrome kit.	
	Uses advised against:		Only the ic	lentified 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 supplie	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
			+385 1 2409997		
			1303 1 24033.	97	
	Fax no.:		+385 1 240403		
	Fax no.: e-mail of competent			39	
		person:	+385 1 24040	39	
1.4.	e-mail of competent	person:	+385 1 240403 msds@biogno	39	
1.4.	e-mail of competent National contact:	person:	+385 1 24040: msds@biogno -	39	
1.4.	e-mail of competent National contact: Emergency telephone	person:	+385 1 24040: msds@biogno -	39 ost.hr	

SECTIO	N 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous subst	ance.	-		
2.1.2.	Additional information				
	-				
*For ful	l text of Hazard- and EU Hazard-sta	atements: see S	ection 16		
2.2.	Label elements				
	Product identification:	AZOCARMIN	E, SOLUTION		
	Identification number: -				
	Authorization no.:	-			
	Hazard pictograms:	-			



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	Signal word:	-	
	Hazard statements:	-	
	Precautionary statements:	-	
	Supplemetal hazard information (EU):	-	
2.3.	Other hazards		
	Endocrine Disrupting Properties:		
	No known endocrine disrupting properties.		

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

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



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

SECTIO	SECTION 5. Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media:	water spray, dry powder, CO 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:	No information available		
5.3.	Advice for firefighters			
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.			
5.4.	Additional information			
	Remove sources of heat and ignitio	on.		
	Do not contaminate the environme	nt with extinguishing media.		

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



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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.		
6.3.3.	Other information:	-		
6.4.	Reference to other sections			
	See Section 7 for information about secure handling.			
	See Section 8 for information about personal protective equipment.			
	See Section 13 for informati	on about containment.		

SECTIO	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:		eep away from sources of heat and ignition. Do ot smoke.		
	Measures to prevent aerosol and dust generati	on: S	ecure proper ventilation.		
	Measures to protect the environment:		revent spilling into the sewage system and vaterways.		
	Other measures:	-	-		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. T	horough	nly wash hands after work and before eating.		
7.2.	Conditions for safe storage, including any inco	mpatibil	ities		
	Technical measures and storage conditions:	ventila	n tightly closed and upright set containers in a well ated storage rooms, and away from sources of heat, ht, and other incompatible substances.		
	Packaging materials:	Manuf	facturer's original packaging.		
	Requirements for storage rooms and vessels:		away from food and drink. Keep the containers closed.		
	Advices for storage equipment:	be res	orage must be made of hard material; floors must istant to chemicals. There must be no drain that y leads into sewage system. Secure proper ation.		
	Further information on storage conditions:	and do	t place the unused material in the storage room o not use empty containers for storing other cals. Do not store with incompatible materials (see n 9).		
7.3.	Specific end use(s)				



Soil (agricultural)

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

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Trading name:				ΑZ	OCARMI	NE, SOLUTIO	DN	
Product code:	AZ-OT-	X**	Date	of con	npilation:	14 Novem	ber 2022	Version: 4
	endations:				-			
Industria	sector spe	ecific solutio	ns:		-			
	_							
SECTION 8. Expo		ols/persona	al protec	tion				
8.1. Control p	arameters					1		
Substans	0	CAS	No		•	exposure limit term values	Riole	ogical limit values
Substance		CAS	INO		ppm	mg/m³	DIOIC	ogical lillilit values
_	-			<u> </u>	-	-	No inform	ation available
		<u> </u>		1			1	
Substance								
name:								
EC No: -		CAS No:	-					
DNEL								
			1	Ind	ustrial			
Route of exposure	7.			Acute		Chronic		Chronic
·	eff	ect local	t local effect sys		emic	effect local		effect systemic
Oral	-		-			-		-
Inhalation	-		-			-		-
Dermal	-					-		-
Critical physical pa	arameters:	solubility, fla	ammabili		<u> </u>			
			T		sumer	<u> </u>		
Route of exposure	7.	Acute	- "	Acute				Chronic
Orral	еп	ect local		ect syst	emic			effect systemic
Oral Inhalation	-		-			-		-
Dermal	-		-			-		-
PNEC	-		-			-		-
	tection tar	net			PNEC			
Environmental protection target Fresh water					mation availabl	e		
Freshwater sediments				No information available				
Marine water						nation availabl		
Marine sediments						nation availabl		
Food chain						nation availabl		
Microorganisms in	n sewage tr	reatment			No information available			

No information available



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Air			No information available				
8.2.	Exposure controls						
8.2.1.	Appropriate engineering	controls	5				
	Substance/mixture relate measures to prevent expeduring 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 preexposure:	revent	No information available				
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to pr exposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal protection equip	pment					
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) ovisor.					
8.2.2.2.	Skin protection						
0.2.2.2.	Hand protection:		rotective gloves must be according to the EU Directive 2016/425/EEC and andard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min				
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long es (EN 13034), and shoes that cover the entire foot (EN 10335).				
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a for organic vapors, type "A" (boiling point >65°C) acording to EN ') used when concentration levels exceed GVI.				
8.2.2.4.	Thermal hazards:	No int	formation available				
8.2.3.	Environmental exposure	controls					
	Substance/mixture related measures to prevent exposure:		See Section 6				
	Structural measures to prexposure:	revent	Use modern equipment.				
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.				
	Technical measures to pr exposure:	event	See Section 6				

SECTION 9. Physical and chemical properties



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

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

SECTION 11. Toxicological information



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	n on hazard classes as	defined in Regu	lation (EC) No 12	72/2008		
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure	e time	Results
Oral exposure:	No information available	-	LD ₅₀	_		-
Dermal exposure:	No information available	-	LD ₅₀	-		-
Inhalation exposure:	No information available	-	LC ₅₀	_		-
Specific tar	get organ toxicity – sir	ngle exposure (S	STOT SE):			
	Specific	effects	Targe	t organ		Note
Oral exposure: No information		vailable	No informati	on available	-	
Dermal exposure:	No information a	vailable	No informati	lo information available -		
Inhalation exposure	: No information a	vailable	No informati	on available	-	
Irritation a	nd corrosion:					
	Exposure time	Species	Evaluation	Method		Note
Skin irritation:	-	rabbit	-	-	-	
Eye irritation:	-	rabbit	-	_	-	
Sensitizatio	on					
Dermal exposure:	No information availa	ble				
Inhalation exposure:	No information availa	ble				
Symptoms	related to the physical	, chemical and t	coxicological chara	acteristics		
Oral exposure:	According to our fi	ndings, chemic			ropertie	s of the substance
Dermal exposure:	According to our fi have not been enti	rely tested.			•	
Inhalation exposure	nave not been enti	rely tested.	·			
Eye exposure:	According to our fi have not been enti	-	al, physical and to	xicological p	ropertie	s of the substance



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Repeate	ed dose toxicity (sub	pacute, subchro	onic, chronic	c)			
	Dose	Exposure time	Species		Method	Evaluation	n Note
Subacute oral	No information available	No information available			on -		
Subacute dermal	No information available	No information available	No information available	on	No information available	No informatio available	on -
Subacute inhalation	No information available	No information available	No information available	on	No information available	No informatio available	on -
Subchronic oral	ronic oral No information available		No information available		No information available	No informatic available	on -
Subchronic dermal	No information available	No information available	No information available		No information available	No informatic available	on -
Subchronic inhalation	No information available	No information available	No information available		No information available	No informatic available	on -
Chronic oral	No information available	No information available	No information available	on	No information available	No informatio available	on -
Chronic dermal	No information available	No information available	No information available	on	No information available	No informatio available	on -
Chronic inhalation	No information available	No information available	No information available	on	No information available	No informatio available	on -
Specific	target organ toxici	<u> </u>	xposure (S1	OT F			N1 - 4 -
Cubacuta aral		Specific effects		Na:	Target orga		Note
		ation available			nformation avai		_
		ation available	į	No information available No information available		_	
Subchronic oral		ation available			nformation avai		_
Subchronic derm		ation available			nformation avai		_
- 323 01110 001111		ation available			nformation avai		



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Chronic oral	No informat	ion available	No ir	nformation available	-	

Chronic	nic oral No information available No information available -				-		
Chronic dermal No information		ion available	No information available	-			
Chronic	inhalation	No informati	ion available	No information available	-		
	:						
	CMR effects	(carcinogenicity;	mutagenicity; repro	oductive toxicity)			
	Carcinogenio	city:	Based on availab	ole data, the classification criteria	are not met.		
	Mutagenicity	ı in-vitro:	Based on availab	ole data, the classification criteria	are not met.		
	Genotoxicity	•	Based on availab	Based on available data, the classification criteria are not met.			
	Mutagenicity	ı in-vivo:	Based on available data, the classification criteria are not met.				
	Germ cell mu	utagenicity:	Based on available data, the classification criteria are not met.				
	Reproductive	e toxicity:	Based on available data, the classification criteria are not met.				
	Summary of	evaluation of the	e CMR properties:	-			
11.2.	Information on other hazards:						
11.2.1.	Endocrine disrupting properties:						
	No known er	ndocrine disrupti	ing properties that a	iffect human health.			
11.2.2.	Other inform	nations:					

SECTION	12	Ecological	information
SECTION	14.	Ecological	IIIIOIIIIauoii

12.1. Toxicity Exposure Acute toxicity Dose **Species** Method Evaluation Note time No information No information LC_{50} 96 hours Fish available available No information No information EC₅₀ 48 hours Crustacea: available available No information No information Algae/aquatic plants 8 days IC_{50} available available Microorganisms 72 hours LC_{50} Chronic (long-term) Exposure Dose Species Method Evaluation Note toxicity time No No information No information 96 hours information Fish LC_{50} available available available



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Product cod	le: /	4Z-OT-X**	Γ	Date	of compilation:	14	4 November	2022	Vers	ion:	4
Crustacea:		EC ₅₀	18 hours		No information available	_	information ilable	No informavailab		-	
Algae/aquati	c plants	IC ₅₀	72 hours	C	No information available		information ilable	No inform availab		_	
Other organi	sms	-	-	-	-	-		_		_	
12.2. Pers	istonco	and degradal	oility								
	tic degr		Jility								
		gradation ha	lf-lives		Method		Ev	aluation	1		Note
Marine water	No in	formation av	ailable	No ii	nformation availa	able	No informat	tion avai	ilable	_	
Fresh water	No in	formation av	ailable	No ii	nformation availa	able	No informa	tion avai	ilable	-	
Air	No in	formation av	ailable	No ii	nformation availa	able	No informat	tion avai	ilable	-	
Soil	No in	formation av	ailable	No ii	nformation availa	able	No informat	tion avai	ilable	-	
Biod	legradat	ion									
% Degradati	on	Time (day	s)		Method		Evaluation		1	lote	
No information available		o informailable		No inf	ormation ble		o information vailable		lo inform vailable	ation	
12.3. Bioa	ccumula	ntive potentia	nl								
Octa	nol-wat	er partition o	oefficient	(log k	(ow)		:		:		
Value	Conc	entration	рН	°C	Method		Evaluati	on		Note	
-	No ii availab	nformation le	-	-	No information	on	No informat available	tion	_		
		ation factor (BCF)								
Rioc	oncentr:	411() iac icii i	,								
Bioc Value	oncentra	Speci		5 5 6 8 8 8 8 8 8 8 8	Method		Evaluation	ı		Note	



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	Chr	onic eco	toxicity								
	Vá	alue	Dose	Exposure time	Spe	ecies	Met	hod	Evaluat	ion	Note
Chronic	toxi	city on fi	sh LC ₅₀	No information available	No inforr availa	mation able	No inform availab			on	-
Chronic crustace		-	EC ₅₀	No information available	No inforr availa	mation able	No inform availab			-	
10.1											
12.4.		bility in s									
		······	redicted distributi tion available	on in environm	nentai c	compart	ments:				
		face tens									
		Value	°C	Concentra	ntion		Metho	nd	Note		· A
	No		No	No informa		No inf	ormatio		_		
		ilable	available	available	available availa		ble				
	Ads	sorption	/ desorption								
Transpo		A/I	D coefficient nry's constant	log Kow	E۱	/aporati	on rate	Meth	ıod		Note
Soil-wa	ter	No availab	information le	No information		o inform ailable	nation	No information available		_	
Water-a	air	No information No information No inf		o inform ailable	nation	No information available		-			
Soil-air No info		information le	No information		o information vailable		No information available		-		
12.5.	Res	ults of P	BT and vPvB asses	ssment							
	No	informat	tion available								
	,										
12.6.	Enc	locrine d	isrupting properti	es							
	No	known e	endocrine disrupti	ng properties t	hat aff	ect the	environn	nent.			



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12.7.	Other adverse effects						
	No adverse effects are expected						
SECTION	1 13. Disposal considerations						
13.1.	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
	Submit for disposal to the legar	al person authorized by the Ministry of Environmental and Nature					
13.1.2.	Waste codes/waste designatio	ns according to Law:					
	No information available						
13.1.3.	Waste treatment – relevant inf	ormation:					
	No information available						
13.1.4.	Sewage disposal – relevant info	ormation:					
	Waste must not be disposed o	f into the sewage system.					
13.1.5.	Other disposal recommendation	ons:					
	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 provision	is:					
	-						
SECTION	SECTION 14. Transport information						
	Transporting/shipment by road ((ADR)					
UN numl	ber:	Not subject to transport regulations.					
UN prop	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing (group:	-					
	nentally hazardous:	-					
Special p	recautions for user:	-					



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Transporting/shipment by rail (R	ID)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN))
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations.
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further information: The product is	not subject to classification.

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



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

SECTIO	SECTION 16. Other information					
16.1.	Indication of changes:	-				
		PBT	Stable, bioaccumulative and toxic			
16.2.	Abbreviations and acronyms:	vPvB	Strongly stable and strongly bioaccumulative.			
		LD ₅₀	Lethal dose, 50%			
		LC ₅₀	Lethal concentration, 50%			
		STOT-SE	Specific target organ toxicity - single exposure			
16.3.	Key literature references and source of data:	-				
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)					



SAFETY DATA SHEET

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

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Trading name:	AZOCARMINE, SOLUTION						
Product code:	AZ-OT-X**	Date of compilation:	14 November 2022	Version: 4			

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

ANNEX: Exposure scenario resulting to Chemical safety assessment



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Trading name:	ANILINE, ALCOHOLIC SOLUTION						
Product code:	ANA-OT-X**	Revision date:	21 Dec 2022	Version:	4		

SECTI	ON 1: Identification of	the substance	e/mixture	e and of the company/undertaking	
1.1	Product identifier				
	Trading name:	ANILINE, AL	ANILINE, ALCOHOLIC SOLUTION		
	Chemical name:	-	-		
	Catalogue number:	ANA-OT-X**			
1.2	Relevant identified us	es of the subs	tance or n	nixture and uses advised against	
	Uses:		For use	with Azan Trichrome 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 sheet				
	Supplier:	Supplier:		BioGnost Ltd.	
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	person:	msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification						
2.1	Classification of the substance or mixture						
2.1.1	Classification according to R	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and category code: Hazard statements*:						
	Flam. Liq. 2		H225				
2.1.2.	Additional information						
	-						
*For fu	ıll text of Hazard- and EU Hazaı	rd-statements: see S	SECTION 16				
2.2	Label elements						
	Product identification:	ANILINE, ALCO	HOLIC SOLUTION				
	Identification number:	-					
	Authorization number:	-					



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Trading name:	ANILINE, ALCOHOLIC SOLUTION					
Product code:	ANA-OT-X**	Revision date:	21 Dec 2022	Version:	4	

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

SECTION 3. Co	SECTION 3. Composition/information on ingredients							
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)				
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	80 - 100 %	ethanol	Flam. Liq. 2; H225				

SECT	SECTION 4. First aid measures					
4.1	Description of first aid measu	res				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.				
	Following inhalation:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.				
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.				



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Trading name:	ANILINE, ALCOHOLIC SOLUTION					
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	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.				
	<u> </u>	Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.				
	Self-protection of the first aider: -					
4.2	Most important symptoms and ef	fects, both acute and delayed				
	Following inhalation:	Inhalation of larger quantities may affect the central nervous system.				
	Following skin contact:	Prolonged or repeated dermal contact may cause the defatting and dryness of the skin.				
	Following eye contact:	May irritate the eyes.				
	Following ingestion:	Ingestion of larger quantities may affect the central nervous system.				
4.3	Indication of any immediate medical attention and special treatment needed					
	If larger quantities have entered th	If larger quantities have entered the body, obtain medical treatment (gastric lavage, activated carbon).				

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



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Trading name:	ANILINE, ALCOHOLIC SOLUTION				
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SECTIO	ON 6. Accidental release meas	ures		
6.1	Personal precautions, protecti	ve equipment and emergency procedures		
6.1.1.	For non-emergency personne			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	ventilation. Vapours may accu	and clothing and inhaling gases, vapours and aerosols. Ensure adequate mulate at floor level in low and confined spaces. Remove all heat, ignition achines. Ignition spark arrestor must not be operated in the danger area. Use the risk of slipping.		
6.2	Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.			
6.3	Methods and material for con	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	Collect the spilled product with inert, non-combustible absorbent (esand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. Cleaning up: During the collection, placement, disposal of the waste, wear appropriating 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 8 for information on personal protection equipment.		

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



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	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generatio	n:	Ensure adequate ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. 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 from oxid	re in a well-ventilated place, protected from sunlight, ay from sources of heat and ignition, in its original, opened and hermetically sealed packaging, away m oxidizing agents, food, feed and articles of assumption. nufacturer's original packaging.		
	Packaging materials:	Manufactu			
	Requirements for storage rooms and vessels:	Keep away	y from food and drink. Keep the containers sed.		
	Advices for storage equipment:	The storage must be made of hard material; floors be resistant to chemicals. There must be no drain directly leads into sewage system. Secure propertial ventilation.			
	Further information on storage conditions:	Do not place the unused material in the storage roo and do not use empty containers for storing oth chemicals. Do not store with incompatible materials (s Section 10).			
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

SECTION 8. Exposure controls/personal protection					
8.1 Control parameters					
Substance	CAS No		exposure limit t term values	Biological limit values	
		ppm	mg/m³	-	
Ethanol	64-17-5	1000/-	1900/-	-	
		•			
Substance name: -					



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Trading na	ame:			ANIL	ILINE, ALCOHOLIC SOLUTION					
Product co	ode:	ANA-01	-X**	Revisi	on date:	21 De	ec 2022		Version:	4
						T				
EC No:		-	CAS No):						
DNEL										
				In	dustrial					
Route of				Acute	Chronic Chror			Chronic		
exposure:		effect	local	effect systemi	С	effect loca	nl	e	ffect systemic	
Oral		-		-	-			-		
Inhalation		1900 mg (ethanol)		-	-			380 mg/	/m³ (ethanol)	
Dermal		-		-	-			343 mg/	/kg (ethanol)	
Critical phy	sical par	ameters: s	olubility,	flammability, co	rrosivity:	-				
				Co	nsumer					
Route of		Ac	ute	Acute		Chronic			Chronic	
exposure:		effec	t local	effect systemi	ic	effect loca	ıl	e ^s	ffect systemic	
Oral		-		-	-			87 mg/k	g bw/day (eth	anol)
Inhalation		950 m (ethan	_	-	-			114 mg/	/m³ (ethanol)	
Dermal		-		-	-			206 mg/	/kg (ethanol)	
PNEC										
Environmer	ntal prot	ection targ	get		PNEC					
Fresh water	-				0.96 mg/l (ethanol)					
Freshwater	sedimer	nts			3.6 mg/kg (ethanol)					
Marine wat	er				0.79 mg/	(l (ethanol)				
Marine sed	iments				2.9 mg/kg (ethanol)					
Food chain					380-720 mg/kg (ethanol)					
Microorgan	nisms in	sewage tre	eatment		580 mg/l (ethanol)					
Soil (agricu	ltural)				0.63 mg/kg (ethanol)					
Air					no information available					
8.2	Exposu	ıre control	S							
8.2.1.	Appro	priate eng	ineering	controls						
	Substance/mixture related measures to prevent exposure during identified uses:		In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.			keep e by				
	Structu	ıral measu ıre:	res to pr	event	In accordance with Section 7.					



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	Organisational measures to preve exposure:	nt	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent exposure:		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 (E ISO 16321-1:2022, EN 166).			
8.2.2.2.	Skin protection				
	Hand protection:	Use ap	appropriate, chemical-resistant protective gloves (EN 374).		
	Other skin protection:	Use ap	appropriate protective clothing.		
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If attration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).		
8.2.2.4.	Thermal hazards:	No the	rmal hazards known.		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6		
	Structural measures to prevent exposure:		odern equipment.		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.		
	Technical measures to prevent exposure:	See Section 6			

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



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	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:	15 °C	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	-		

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.					

SECTION 11. Toxicological information									
11.1 Inform	1 Information on hazard classes as defined in Regulation (EC) No 1272/2008								
Acute toxicity:									
Route of exposure:	Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results				
Oral:	-	rat (ethanol)	LD ₅₀	_	7.060 mg/kg				
Dermal:	-	rabbit (ethanol)	LD ₅₀	_	>20.000 mg/l				



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Trading name:	ANILINE, ALCOHOLIC SOLUTION										
Product code:	Α	NA-OT-X**	Re	evision	date:	21 D	ec 202	22	Versi	on:	4
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
Inhalation:		-	rat (ethanol)		LC ₅₀)		4 h	>	-8.000 n	ng/l
:											
Specific	targe	t organ toxicit	y – single exp	osure (S	TOT SE)	:					
	Specific effects			Target organ					1	Vote	
Oral:	N	lo information	available		No info	ormation a	availab	le -			
Dermal:	N	lo information	available		No info	ormation a	availab	le -			
Inhalation:	N	lo information	available		No info	ormation a	availab	le -			
Aspiration	on haz	zard:	N	lo infor	mation a	vailable.					
Irritation	n and	corrosion									
		Exposur	e time	Spec	ies	Evaluati	on	Method		Note	
Skin			_			_	_		_		
corrosion/irritation	on:	_					_				
Serious eye		-	_			_	_		_		
damage/irritation	1										
Sensitiza	ation										
Skin sensitization		No inf	ormation avai	lable.							
Respiratory sensi			ormation avai								
respirately selle.		1.0									
Sympton	ms rel	ated to the ph	nysical chemic	al and t	oxicoloc	nical chara	cteristi	rs			
			•			cause			kenness,	eupho	oria,
Oral exposure:		unconscious	ness and alcoh	nol poiso	oning. In	case of sv	vallowii	ng great qu	•	nausea .	
		vomiting ma	y occur. Repe	ated or	prolonge	ed exposu	ire may	lead to liv	ver cirrho	osis.	
Dermal exposure	ı•	•	ged or repea	ited exp	oosure s	symptoms	may	include: de	efatting,	dryness	and
Dermar exposure	•	cracking of s									
Inhalation exposi	ure:	Inhalation of membranes.	great quantiti	es may o	cause diz	zziness, eu	phoria	and mild ir	ritation c	of the mu	ıcous
Eye exposure:		May cause ir	ritation and re	dness.							
Repeate	d dos	e toxicity (sub	acute, subchr	onic, chi	ronic)						
		Dose	Exposure time	Speci	es	Method	d	Evaluatio	n	Note	
Subacute oral		information lable	No information available	No inforr availa	mation ble	No informa availab		No infori available		_	



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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	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	nation	-
Chronic dermal	No availa	information able	No information available	No information available	No information available	No inforn available	nation	-
Chronic No information information		No	No	No				
Chronic inhalation			information available	information available	information available	No inforn available	nation	-
inhalation	availa	able	information available	information available	information available		nation	-
inhalation	availa	able	information available y – repeated e	information available xposure (STOT	information available RE):	available	nation	- Nata
inhalation Specific	availa	organ toxicit	information available y – repeated e Specific effec	information available xposure (STOT	information available RE): Target o	available		- Note
Specific Subacute oral	availa	organ toxicit	information available y – repeated e Specific effect ation available	information available xposure (STOT	information available RE): Target o No information	available rgan n available	_	Note
Specific Subacute oral Subacute derma	availa target	organ toxicit No informa No informa	information available y – repeated e Specific effec- ation available ation available	information available xposure (STOT	information available RE): Target o No information	available rgan n available n available	-	Note
Specific Subacute oral Subacute derma Subacute inhala	availa target	organ toxicit No informa No informa No informa	information available y – repeated e Specific effection available ation available	information available xposure (STOT	information available RE): Target of the No information No infor	available rgan n available n available n available	-	Note
Specific Subacute oral Subacute derma Subacute inhalat Subchronic oral	availa target	organ toxicit No informa No informa No informa No informa	information available y – repeated e Specific effection available ation available ation available	information available xposure (STOT	information available RE): Target o No information No information No information	available rgan n available n available n available n available	-	Note
Specific Subacute oral Subacute derma Subacute inhala	availa target	organ toxicit No informa No informa No informa No informa No informa	information available y – repeated e Specific effection available ation available ation available ation available ation available	information available xposure (STOT	information available RE): Target o No information No information No information No information No information	available n available n available n available n available n available	-	Note
Specific Subacute oral Subacute derma Subacute inhalat Subchronic oral Subchronic dern Subchronic inha	availa target	organ toxicit No informa No informa No informa No informa No informa No informa	information available y – repeated e Specific effection available ation available ation available	information available xposure (STOT	information available RE): Target o No information No information No information	available rgan n available n available n available n available n available n available		Note
Subacute oral Subacute derma Subacute inhalat Subchronic oral Subchronic derm	availa target	organ toxicit No informa No informa No informa No informa No informa No informa No informa	information available y – repeated e Specific effection available ation available	information available xposure (STOT	information available RE): Target o No information	available rgan n available	- - -	Note



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	Mutagenicity in vitro:	Bas	sed on available data, the classification criteria are not met.			
	Genotoxicity:	Bas	sed on available data, the classification criteria are not met.			
	Mutagenicity in vivo:	Based on available data, the classification criteria are not me				
	Germ cell mutagenicity:	Bas	sed on available data, the classification criteria are not met.			
	Reproductive toxicity:	Bas	sed on available data, the classification criteria are not met.			
	Summary of evaluation of the Coproperties:		Based on available data, the classification criteria are not met.			
11.2	Information on other hazards:					
11.2.1.	Endocrine disrupting properties:					
	Based on available data, does not conta endocrine disruptors.	ain				
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	8.140 mg/l /48 h (ethanol)	-			
Crustacea:	EC ₅₀	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-			
Algae/aquatic plants	IC ₅₀	4 days	algae	No information available	5.000 mg/l / 7d (ethanol)	-			
Other organisms	-	-	-	-	-	-			
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
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	-			



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Trading name:					NILINE, ALCO	HOLIC SOLUT	ION	N			
Product c	ode:	ANA-OT-X*	*	Re	evision date:	21 Dec 202	22	Version:			
Algae/aqua	atic plant	s IC ₅₀	72 hours	•	lo information vailable	No information available	No inform available	nation _			
Other orga	anisms	-	_	_		-	-	-			
		and degrada	bility								
Al		gradation	alf lives		Method	Evaluation		Note			
Marine wa		Degradation h			Information lable	No information available		Note			
resh wate	er No	information a	available		nformation lable	No information available	1 -				
Air	No	information a	n availahla 🗀		nformation lable	No information available	1 -				
Soil	No	No information available			nformation lable	No information available	No information - available				
Bi	iodegrada	ation									
% Degra	adation	Time (days)		Method	Evaluation	1	Note			
% Degradation Time (days) Io information No information available											
	ation		formation		information lable	No information available		o information ailable			
available 12.3 Bi	ioaccumu	available	al	avai	lable						
available 12.3 Bi	ioaccumu ctanol-wa	available	al	avai	lable		av				
available 12.3 Bi	ioaccumu ctanol-wa	available lative potentia	al coefficient (pH	avai	lable Dw)	available	av	ailable			
12.3 Bi Value Log Pow: ~	ioaccumu ctanol-wa Co	available lative potentia ater partition of	al coefficient (pH	log Ko	ow) Method	available Evalua	av	Note The product c			
12.3 Bi O Value Log Pow: ~	ioaccumu ctanol-wa -	available lative potentia	al coefficient (pH - BCF)	log Ko	ow) Method	available Evalua	ation	Note The product c			



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Trading name:	ANILINE, ALCOHOLIC SOLUTION					
Product code:	ANA-OT-X**	Revision date:	21 Dec 2022	Version:	4	

	Chroni	c ecoto	xicity							
	Value		Dose	Exposure time	Spe	ecies	Method	d E	valuation	Note
Chroni	c toxicity	on fish	LC ₅₀	No information available	No inforr availa	mation i	No nformati available	1	ormation ilable	-
	c toxicity cea (<i>Daph</i>		EC ₅₀	No information available	No inforr availa	mation i	No nformati available		ormation ilable	-
12.4	Mobilit	y in soi	il							
12.4			dicted distributi	on in onvironm	ontal c	ompartm	ontc:			
		······································	on available	OII III EIIVII OIIIII	errial C	.omparum	CIILS.			
	Surface									
			°C	Concentra	tion		Method			Note
	No No			No informat			_	INOLE		
	Adsorp		desorption							
Transp	ort	1	O coefficient ary's constant	log Kow		Evaporation rate		Method		Note
Soil-wa	ater	No information available		No information available		No information available		_		
Water-	air	No availa	information able	No information		o informat ailable		No inforn Ivailable	nation	-
Soil-air	•	No availa	information able	No information		o informat ailable		No inforn Ivailable	nation	-
12.5	Results	of PBT	and vPvB asses	ssment						
			lable data, the p		t cont	ain any PE	BT or vPv	B substa	nces.	
	İ									
12.6.	Endocr	ine disi	rupting properti	ies						
	Pacad	an avai	lable data desc	not contain en	docrin	o dicrupto	orc			



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Trading name:		ANILINE, ALCO	HOLIC SOLUTION		
Product code:	ANA-OT-X**	Revision date:	21 Dec 2022	Version:	4

12.7.	Other adverse effects						
	Do not let the product or its res	idues reach sewer system, waterways and soil.					
SECTION	1 13. Disposal considerations						
13.1	Waste treatment methods						
13.1.1.	Product/Packaging disposal:						
	Submit for disposal to the leg Protection.	al person authorized by the Ministry of Environmental and Nature					
13.1.2.	Waste codes/waste designation	ons according to Law:					
	Packaging that contains resid	ual hazardous substances or is contaminated with hazardous substances					
13.1.3.	Waste treatment – relevant in	formation:					
	No information available						
13.1.4.	1.4. Sewage disposal – relevant information:						
	Waste must not be disposed	of into the sewage system.					
13.1.5.	Other disposal recommendat						
	authorized by the ministry in	ct's remains into the sewage system. Submit the remains to the collectors 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 provisio	ns:					
	Disposal must be made accor	ding to official regulations.					
SECTION	I 14 TRANSPORT INFORMATI	ON					
	Transporting/shipment by road	(ADR)					
UN numl	per:	1170					
UN prop	er shipping name:	Ethanol solution					
Transport hazard class(es):		3					
Packing (•	II					
	nentally hazardous:	-					
i	recautions for user:	-					
	Transporting/shipment by rail (
UN numl	oer:	1170					



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UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (I	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
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:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-

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



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Trading name:		ANILINE, ALCOHO	OLIC SOLUTION		
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	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.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)
Classific	cation	Classification procedure
_		-
16.5.	Relevant H statements (numb	per and full text)
	H: 225	Highly flammable liquid and vapor.
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	
-	



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Trading name:	ACID ALCOHOL, AZAN				
Product code:	KAA-OT-X**	Revision date:	21 Dec 2022	Version:	5

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking	
1.1	Product identifier			· · · · · ·	
	Trading name:	ACID ALCO	HOL, AZA	N	
	Chemical name:	-			
	Catalogue number:	KAA-OT-X*	KAA-OT-X**		
1.2	Relevant identified use	Relevant identified uses of the substance or mixture and uses advised against			
	Uses:		For use	with Azan Trichrome 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	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		t		
			BioGnost Ltd.		
			Medjugorska 59, Zagreb		
			+385 1 2409997		
			+385 1 2404039		
	e-mail of competent p	erson:	msds@biognost.hr		
	National contact: -		-		
1.4	1.4 Emergency telephone number				
	National Protection ar	d Rescue Dire	ectorate:	112	
	Medical information:	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 Reg	ulation (EC) No 12	272/2008 (CLP)		
	Hazard class and catego	Hazard class and category code: Hazard statements*:			
	Flam. Liq. 2		H225		
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: ACID ALCOHOL, AZAN				
	Identification number:	Identification number: -			
	Authorization number: -				



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Trading name:	ACID ALCOHOL, AZAN				
Product code:	KAA-OT-X**	Revision date:	21 Dec 2022	Version:	5

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

SECTION 3. Co	SECTION 3. Composition/information on ingredients				
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	60 - 80 %	ethanol	Flam. Liq. 2; H225	
7647-01-0/ 231-595-7/ 017-002-00-2	-	< 1 %	hydrochloric acid, 37%	Skin Corr. 1B; H314 STOT SE 3; H335	

SECTIO	SECTION 4. First aid measures				
4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.			



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

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



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Trading name:		ACID ALCOHOL, AZAN						
Product code:	KAA-OT-X**	Revision date:	21 Dec 2022	Version:	5			

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:						
	ventilation. Vapours may accurand spark sources, turn off ma	Avoid contact with skin, eyes and clothing and inhaling gases, vapours and aerosols. Ensure adequate ventilation. Vapours 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 8 for information on personal protection equipment.						
		on personal protection equipment.					

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



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	Measures to prevent fire:	Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.
	Measures to prevent aerosol and dust generatio	n: Ensure adequate ventilation.
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.
	Other measures:	Protect against electrostatic charges.
7.1.2.	Advice on general occupational hygiene:	
	Do not eat, drink or smoke in the workspace. The	oroughly wash hands after work and before eating.
7.2	Conditions for safe storage, including any incom	patibilities
	Technical measures and storage conditions:	Store in a well-ventilated place, protected from sunlight, away from sources of heat and ignition, in its original, unopened and hermetically sealed packaging, away from oxidizing agents, food, feed and articles of consumption.
	Packaging materials:	Manufacturer's original packaging.
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

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



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Trading na	ıme:				A	ACID ALCOHOL, AZAN				
Product co	ode:	KAA-OT	-X**		Revisio	on date:	21 Dec 20	022	Version:	5
							i i		ı	-
Substance r	name:	-								
EC No:		-	CAS No	:	-					
DNEL										
					Inc	dustrial				
Route of		Acu	te	Δ	Acute		Chronic		Chronic	
exposure:		effect	local	effect	systemic	:	effect local		effect systemic	
Oral		-		-		-		-		
Inhalation		1900 mg/m³ - (ethanol)		-		380 m	g/m³ (ethanol)			
Dermal					-		343 m	g/kg (ethanol)		
Critical phys	sical para	ameters: s	olubility,	flamma	bility, cor	rosivity:	-			
					Co	nsumer				
Route of		Acute Acute			Chronic		Chronic			
exposure:		effec	t local	effect systemic		2	effect local		effect systemic	
Oral					-		87 mg/kg bw/day (eth		anol)	
Inhalation		950 m (ethan	_	-		-		114 m	g/m³ (ethanol)	
Dermal		-		-		-		206 m	g/kg (ethanol)	
PNEC		•						·		
Environmen	ital prote	ection tar	get			PNEC				
Fresh water						0.96 mg/l (ethanol)				
Freshwater	sedimen	ts				3.6 mg/kg (ethanol)				
Marine wate	er					0.79 mg/l (ethanol)				
Marine sedi	ments					2.9 mg/kg (ethanol)				
Food chain						380-720 mg/kg (ethanol)				
Microorgan	isms in s	sewage tre	eatment			580 mg/l (ethanol)				
Soil (agricul	tural)					0.63 mg/kg (ethanol)				
Air						no information available				
8.2	Exposu	re contro	S							
8.2.1.	Approp	riate eng	ineering	controls						
		nce/mixtu t exposure				concent concent existing	of a hazardou ration limit it is ration levels do scientific and t ous substance pos	s the emplo wn to a mini echnological	yer's duty to k imum achievable means, where	eep by



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	Structural measures to prevent exposure:		In accordance with Section 7.			
	Organisational measures to preve exposure:	nt	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prevent exposure:		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 (E ISO 16321-1:2022, EN 166).				
8.2.2.2.	Skin protection					
	Hand protection:	Use ap	propriate, chemical-resistant protective gloves (EN 374).			
	Other skin protection:	Use ap	propriate protective clothing.			
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If stration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).			
8.2.2.4.	Thermal hazards:	No the	rmal hazards known.			
8.2.3.	Environmental exposure controls					
	Substance/mixture related measures to prevent exposure:	See Se	ction 6			
	Structural measures to prevent exposure:	Use mo	odern equipment.			
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.			
	Technical measures to prevent exposure:	See Section 6				

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



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Trading name:	ACID ALCOHOL, AZAN					
Product code:	KAA-OT-X**	Revision date:	21 Dec 2022	Version:	5	

	Odour/odour threshold:	ethanol like/no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Flammability:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flash point:	21 °C	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	рН:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	-		

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.			

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



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Trading name:	ACID ALCOHOL, AZAN						
Product code:	KAA-OT-X**	Revision date:	21 Dec 2022	Version:	5		
•	•		•				

Product code:	KAA-OT-X	**	Revision	date:	21 Dec	2022	Ve	rsion:	5
Route of exposure:	Method	Species	Do	ose LD ₅₀ /Lose ATE _{mix}		Exposure tim	ie	Result	S
Oral:	-	rat (ethano	l)	LD ₅₀		-		7.060 mg	j/kg
Dermal:	-	rabbit (ethan	ol)	LD ₅₀		-		>20.000 r	ng/l
Inhalation:	-	rat (ethano	l)	LC ₅₀		4 h		>8.000 n	ng/l
Specific tar	get organ to	xicity – single ex	(posure (S	STOT SE):					
i *	S	pecific effects			Target orga	an		Note	
Oral:	No informa	tion available		No infor	mation ava	ilable -	-		
Dermal:	No information available No information available				ilable -	-			
Inhalation:	No informa	tion available		No infor	mation ava	ilable -	-		
Aspiration	hazard:		No infor	mation av	ailable.				
Irritation a	nd corrosion								
	Ехро	osure time	Spec	ies	Evaluation	Method		Note	
Skin corrosion/irritation:	-		-	-		-	-		
Serious eye damage/irritation	-		_	-	-	-	-		
Sensitizatio	on								
Skin sensitization:	No	information av	ailable.						
Respiratory sensitiza	ation: No	information av	nation available.						
Symptoms	related to th	e physical, chem	nical and	tovicologi	cal characte	ristics			
Symptoms		on of great					kenne	ss, eupho	oria.
Oral exposure:	unconsci	ousness and alcomay occur. Rep	ohol pois	oning. In c	ase of swall	owing great q	uantiti	es, nausea	
Dermal exposure:	After pro	olonged or repo	eated ex	posure sy	mptoms m	ay include: c	lefattin	ıg, dryness	and
Inhalation exposure	: Inhalatio membrar	n of great quant nes.	ities may	cause dizz	iness, eupho	oria and mild i	rritatio	n of the mu	ıcous
Eye exposure:	May caus	se irritation and	redness.						

Repeated dose toxicity (subacute, subchronic, chronic)



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

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



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Chronic	inhalation No	information	n available		No information available -
	CMR effects (carcino	ogenicity; m	utagenicity	y; re _l	productive toxicity)
	Carcinogenicity:			Bas	ed on available data, the classification criteria are not met.
	Mutagenicity in vitr	o:		Bas	ed on available data, the classification criteria are not met.
	Genotoxicity:			Bas	ed on available data, the classification criteria are not met.
	Mutagenicity in vivo) :		Bas	ed on available data, the classification criteria are not met.
	Germ cell mutageni	city:		Bas	ed on available data, the classification criteria are not met.
	Reproductive toxicit	ty:		Bas	ed on available data, the classification criteria are not met.
	Summary of eva properties:	luation of	the CM	ИR	Based on available data, the classification criteria are not met.
11.2	Information on other	er hazards:			
11.2.1.	Endocrine disruptin	g properties	5:		
	Based on available endocrine disruptor		not conta	ain	
11.2.2.	Other informations:				
	-				

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



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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	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12.2	Persist	ence and degradability			
	Abioti	c degradation			
		Degradation half-lives	Method	Evaluation	Note
Marine	e water	No information available	No information available	No information available	-
Fresh v	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	-

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

12.3 Bioaccumulative potential

Octanol-water partition coefficient (log Kow)

Value	Concentration	рН	°C	Method	Evaluation	Note
Log Pow: ~ 0.32	-	-	-	-	-	The product does not bioaccumulate



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\	Value		Species		N	∕lethod	Eν	/aluatio	on		Note
BCF: 0.	.66	No available	inform	ation	No info	ormation le	No info		on	-	
	Chronic e	cotoxicity									
	Value		Dose		osure ime	Species	Meth	nod	Eval	uation	Note
Chroni	ic toxicity on	ı fish	LC ₅₀	No infor availa	mation able	No information available	No informa availab		No inforr availa	nation Ible	-
	ic toxicity on cea (<i>Daphnic</i>		EC ₅₀	No infor availa	mation able	No information available	No informa availab		No inforr availa	mation Ible	-
40.:	Mobility in	n soil									
12.4	IVIODIIILV II	H SOII									
12.4			distributi	on in e	environm	ental compa	tments:				
12.4	Known or			on in e	environm	ental compa	tments:				
12.4	Known or	predicted		on in e	environm	iental compa	tments:				
12.4	Known or	predicted			environm		tments:	od			Note
12.4	Known or No inform Surface te	predicted nation ava	ilable	Co		tion	Metho		-		Note
12.4	Known or No inform Surface te Value No informatio	predicted nation ava	°C rmation	Co	oncentra informa	tion tion No ir	Metho		-		Note
12.4	Known or No inform Surface te Value No informatio	nation ava ension: No on infor	°C rmation lable	Co	oncentra informa	tion tion No ir	Metho				Note
Transp	Known or No inform Surface te Value No informatic available Adsorptio	nation ava ension: No on infor	°C rmation lable ption fficient	No ava	oncentra informa	tion tion No ir	Metho formationable	n	Method	d	Note
Transp	Known or No inform Surface te Value No informatic available Adsorptio	nation ava ension: No on informavail on / desorp A/D coeff Henry's coeff	°C rmation lable ption fficient	No ava	oncentra informa iilable og Kow	tion tion No ir availa	Methodiformation able	n	Method		Note
	Known or No inform Surface te Value No informatic available Adsorptio	nation ava ension: No on information avail on / desorp A/D coeff Henry's coeff available	°C rmation lable ption fficient onstant	No availa	oncentra informa iilable og Kow nformatio	tion tion No ir availa Evapora on No infor available	Methodiformation able tion rate mation	No ir	Method nforma able nforma	tion -	Note -



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12.5	Results of PBT and vPvB assessmer	nt -
12.3		ct does not contain any PBT or vPvB substances.
	20000 011 010 010 0000, 010 010 000	
12.6	For description and a second section	
12.6.	Endocrine disrupting properties	
	Based on available data, does not o	contain endocrine disruptors.
12.7.	Other adverse effects	
	Do not let the product or its residu	es reach sewer system, waterways and soil.
SECTIO	N 13. Disposal considerations	
13.1	Waste treatment methods	
13.1.1.	Product/Packaging disposal:	
		person authorized by the Ministry of Environmental and Nature
	Protection.	
13.1.2.	Waste codes/waste designations	
	Packaging that contains residual	hazardous substances or is contaminated with hazardous substances
13.1.3.	Waste treatment – relevant infor	mation:
	No information available	
13.1.4.	Sewage disposal – relevant infor	mation:
	Waste must not be disposed of i	nto the sewage system.
13.1.5.	Other disposal recommendations	S:
	Do not dispose of the product's	remains into the sewage system. Submit the remains to the collectors
		arge. Do not dispose of the packaging into the sewage system. Submit authorized by the ministry in charge. Unused product residues may be
	burnt.	
13.1.6.	Relevant Community provisions:	
	Disposal must be made accordin	g to official regulations.
	i .	-
SECTIO	N 14 TRANSPORT INFORMATION	
	Transporting/shipment by road (Al	
UN num		1170
		Ethanol solution
CIA PIO	рег эттрриту папте.	Editation Solution



SAFETY DATA SHEET

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

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Trading name:		ACID ALCOHOL, AZAN						
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Transport hazard class(es):	3
Packing group:	П
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	ID)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	П
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	11
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:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II .
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	



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Trading name:		ACID ALCO	OHOL, AZAN		
Product code:	KAA-OT-X**	Revision date:	21 Dec 2022	Version:	5

15.1	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:	-



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

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- v					
Trading name:		ACID ALCO	OHOL, AZAN		
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16.2	Abbrev	riations and acronyms:	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)		
Classifi	cation		Classification procedure		
_			-		
16.5.	Relevar	nt H statements (numb	per and full text)		
	H:	225	Highly flammable liquid and vapour.		
		314	Causes severe skin burns and eye damage.		
		335	May cause respiratory irritation.		
16.6.	Training advice:		-		
16.7.	5.7. 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.		

ANALYS I I I I I I I I I I I I I I I I I I I
ANNEX: Exposure scenario resulting to chemical safety assessment
_



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Trade name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION				
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4

1.1.	Product identifier					
	Trading name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION			D, 5% SOLUTION	
	Chemical name:	-				
	Product code:	FMK5-C)T-X**			
1.2.	Relevant identified us	ses of the	substa	nce or mixt	ure and uses advised against	
	Uses:			For use wi	th special staining kits.	
	Uses advised against:			Only the id	dentified uses are advised.	
	Reason why uses advised against: med		•	ect is intended for use only as an <i>in vitro</i> diagnostic evice and there is no reason to use it for other		
1.3.	Details of the supplier of the safety data sheet					
	Supplier: Bio		BioGr	ioGnost Ltd.		
	Address:		Medji	Medjugorska 59, Zagreb		
	Telephone number:		+385	+385 1 2409997		
	Telefax:		+385	+385 1 2404039		
	e-mail of competent	person:	<u>msds</u>	msds@biognost.hr		
	National contact:					
1.4.	Emergency telephone numbers					
	National Protection a	nd Rescu	e Direc	ctorate:	112	
	Medical information:				+385 1 2348 342	
	Other information:			-		

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substar	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	tegory code:	Hazard statement*:			
	Skin Irr. 2		H315			
	Eye Irr. 2		H319			
2.1.2.	Additional information					
	-					
*For the	e full text of H and EUH phrase	es see Section 16				
2.2.	Label elements					
	Product identification:	PHOSPHOMO	DLYBDIC ACID, 5% SOLUTION			
	Identification number:	-				
	Authorisation number:	-				



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Trade name:		PHOSPHOMOLYBD	C ACID, 5% SOLUTION		
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	Hazard pictograms:	GHS07	
	Signal word:	Warning	
	Hazard statement:	H315 Causes skin irritation H319 Causes serious eye irritation.	
	Precautionary statement:	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		
	No known endocrine disrupting properties.		
	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.		

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)			
51429-74-4/ 234-713-5/ -	-	4- 5 %	molybdophosphoric acid	Ox. Sol. 3; H272 Skin Corr. 1B; H314			

SECTION 4. First aid measures						
4.1.	Description of first aid me	Description of first aid measures				
	General notes:	Move out of dangerous area. Show this safety data sheet to the doctor and first responders.				
	Following inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical advice.				
	Following skin contact:	Wash off with soap and plenty of water. If irritation occurs and persists: Get medical advice.				
	Following eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs and persists: Get medical advice.				



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	Following ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water.
	Self-protection of the first aider	-
4.2.	Most important symptom	s and effects, both acute and delayed
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
	Following skin contact:	According to our findings, chemical, physical and toxicological properties 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 immedia	ate medical attention and special treatment needed
	Treat symptomatically.	

SECTIO	SECTION 5. Firefighting measures					
5.1.	Extinguishing media					
	Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray (FOG) or foam.				
	Unsuitable extinguishing media:	Avoid solid water stream as it may scatter and spread fire.				
5.2.	Special hazards arising from the su	bstance or mixture				
	Hazardous by products of fire:	Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiant at sufficient concentrations).				
5.3.	Advice for firefighters					
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.					
5.4.	Additional information					
	Heating may cause container cracking due to increase in pressure. Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.					

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective e	equipment and emergency procedures			
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use suitable 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:				



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Trade name:					
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4

	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).				
6.2.	Environmental precautions:				
	Do not dispose of in sewage, Protection and Rescue Direct	drainage system and waterways. In case of large spillage contact National corate (NPRD) on 112.			
6.3.	Methods and materials for co	ontainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.			
6.3.2.	Cleaning up: After removing the product, use water to wash the work space and used materials.				
6.3.3.	Other information: No information available.				
6.4.	Reference to other sections				
	-				

SECTIO	SECTION 7. Handling and storage						
7.1.	Precautions for safe handling						
7.1.1.	Protection measures						
	Measures to prevent fire:		Use in well ventilated storage rooms. Refer to the manufacturer's recommendations.				
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.				
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.				
	Other measures:		-				
7.1.2.	Advice on general occupational hygiene:						
	Do not eat, drink or smoke in the workspace. The	noroughly wa	ash hands after work and before eating.				
7.2.	Conditions for safe storage, including any incor	npatibilities					
	Technical measures and storage conditions:	well ventil	ghtly closed and upright set containers in a lated storage rooms at temperatures om 15 to 25 °C.				
	Packaging materials:	Manufacti	urer's original packaging.				
	Requirements for storage rooms and vessels:	irements for storage rooms and vessels: Keep away from food and drink. Keep the containers tightly closed.					
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.					



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	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION								
8.1. Control parameters								
Substance	CAS N			cupational exposure limit slues/short term values		В	Biological limit values	
			ķ	opm	mg/m³			J
-	-			-	-			-
Substance: -								
EC No: -	CAS No:	-						
DNEL								
			Inc	lustrial				
Route of exposure:	ute effect	Acı	ute eff	ect	Chr	onic eff	ect	Chronic effect
Noute of exposure.	local	l system		ic	local			systemic
Oral -		-			-			-
Inhalation -		-			-			-
Dermal -		-			-			-
Critical physical parameters	: solubility, fl	ammabil	ity, coı	rrosivity:		-		
			Coi	nsumer				
Route of exposure:	ute effect	Acı	ute eff	ect	Chronic effect		ect	Chronic effect
noute or exposure.	local	S	ystem	ic	local			systemic
Oral -		-			-			-
Inhalation -		-			-			-
Dermal -		-			-			-
PNEC								
Environmental protection target				PNEC				
Fresh water				No information available				
Freshwater sediments				No information available				
Marine water				No information available				
Marine sediments				No info	rmation a	ıvailabl	e	



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Food cha	in		No information available			
Microorg	anisms in sewage treatment		No information available			
Soil (agri	cultural)	No information available				
Air			No information available			
8.2.	Exposure controls					
8.2.1.	Appropriate engineering controls					
	Substance/mixture related measure to prevent exposure during identifuses:	ied U	se personal protective equipment. Do not eat, drink or moke in the workspace.			
	Structural measures to prevent exposure:	N	o information available			
	Organisational measures to prevent exposure:		rganization of work in order to reduce other worker's afluence during work process.			
	Technical measures to prevent exposure:		ecure proper workspace ventilation in order to keep oncentration levels in air below permitted levels.			
8.2.2.	Personal protection equipment:					
8.2.2.1.	Eye and face protection:		Safety glasses tested and approved under appropriate standards such as EN 166(EU).			
8.2.2.2.	Skin protection:					
	Hand protection:	рі	andle with chemical resistant gloves. The selected rotective gloves have to satisfy the specifications of EU irective 89/686/EEC and the standard EN 374 derived from .			
	Other skin protection:	No specific protective equipment required.				
8.2.2.3.	Respiratory protection:		se when overexposure potential. Improper use of espirators is dangerous.			
8.2.2.4.	Thermal hazards:	N	o information available			
8.2.3.	Environmental exposure controls					
	Substance/mixture related measures to prevent exposure:	See Sect	tion 6			
	Structural measures to prevent exposure:	Use mod	dern equipment.			
	Organisational measures to prevent exposure:	Adapt th workpla	he work process to the required working conditions of the ice.			
	Technical measures to prevent		See Section 6			

SECTION 9. Physical and chemical properties



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Trade name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION					
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4	

		Value	Method	
	Physical state:	liquid	No information available	
	Colour:	yellow	No information available	
	Odour/odour threshold:	No information available	No information available	
	Melting point / freezing point:	No information available	No information available	
	Boiling point or initial boiling point and boiling range:	No information available	No information available	
	Flammability:	No information available	No information available	
	Lover and upper explosion limit:	No information available	No information available	
	Flash point:	No information available	No information available	
	Auto-ignition temperature:	No information available	No information available	
	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 noctanol/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:	Not reactive under normal conditions.				
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).				
10.3.	Possibility of hazardous reactions:	No information available.				
10.4.	Conditions to avoid:	Contact with incompatible materials and temperature extremes.				
10.5.	Incompatible materials:	Strong oxidizers.				



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Trade name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION					
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4	

10.6. Hazardous	decomposition products:	Does not decompose under normal conditions. During fire, thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (as asphyxiant as sufficient concentrations).
-----------------	-------------------------	--

11.1. Inform	nation on toxic	cological eff	fects						
Acute	toxicity:								
Route of exposure:	Meth	hod	Spec	ies l	Effective Dose LD ₅₀ /LC ₅₀ o ATE _{mixture}		xposur time	e	Results
Oral:	No infor availa		-		No informatio available	n	-		-
Dermal:	No infor availa		-		No informatio available	n	-		_
Inhalation:	No information available		_		No informatio available	n	_		_
					available				
Speci	fic target orga	•						***	
•		Spec	cific effects		Γ-SE):	arget or	gan		Note
Oral:	No inform	Spec nation avail	cific effects		Γ-SE):	arget or	gan	_	Note
Oral: Dermal:	No inform	Spec nation avail nation avail	cific effects able able		Γ-SE):	arget or	gan	-	Note
Oral:	No inform	Spec nation avail	cific effects able able		Γ-SE): 1	arget or	gan		Note
Oral: Dermal: Inhalation: Aspir	No inform	Spec nation avail nation avail nation avail	cific effects able able		Γ-SE): 1 - -	arget or	gan	-	Note
Oral: Dermal: Inhalation: Aspir	No inform No inform No inform ation hazard:	Spec nation avail nation avail nation avail	able able -		Γ-SE):	arget or		-	Note
Oral: Dermal: Inhalation: Aspir	No inform No inform No inform ation hazard:	Specination availanation availanation availa	able able able - time	S	Γ-SE):			-	



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Trade name:		PHOSPHOMOLYBDIC ACID, 5% SOLUTION					
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4		

Respiratory sensitization:	N	o inform	nation available.				
Symp	toms relat	ed to ph	ysical, chemical	l, and toxicologic	cal properties		
Oral exposure: No known specific symptoms.							
Dermal exposu	re:	No kno	own specific syn	nptoms. May ca	use skin irritatio	n.	
Inhalation expo	sure:	No kno	own specific syn	nptoms.			
Eye exposure:		No kno	own specific syn	nptoms. May ca	use mild eye irrit	tation.	
Rene	ated dose t	toxicity (subacute, subcl	hronic chronic)			
, repe	Dos		Exposure time	Species	Method	Evaluation	Note
Subacute oral	No infor available		No information available	No information available	No information available	No information available	No information available
Subacute dermal	No infor		No information available	No information available	No information available	No information available	No information available
Subacute inhalation	No information available		No information available	No information available	No information available	No information available	No information available
Subchronic oral	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic dermal	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic inhalation	No infor		No information available	No information available	No information available	No information available	No information available
Chronic oral	No infor		No information available	No information available	No information available	No information available	No information available
Chronic dermal	No infor		No information available	No information available	No information available	No information available	No information available
Chronic inhalation	No infor		No information available	No information available	No information available	No information available	No information available



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Trade name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION					
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4	

		Specific effects	5	Target organ	Note		
Subacut	e oral	No information available		No information available	No information available		
Subacut	re dermal	No information availa	able	No information available	No information available		
Subacut	e inhalation	No information availa	able	No information available	No information available		
Subchro	onic oral	No information availa	able	No information available	No information available		
Subchro	onic dermal	No information availa	able	No information available	No information available		
Subchro	onic inhalation	No information availa	able	No information available	No information available		
Chronic	oral	No information availa	able	No information available	No information available		
Chronic	dermal	No information available		No information available	No information available		
Chronic	inhalation	No information availa	able	No information available	No information available		
	CMR effects (carcino	ogenicity, mutagenicity,	reprodu	uctive toxicity)			
	Carcinogenicity:		Based met.	on available data, the classific	cation criteria are not		
	Mutagenicity in-vitr	o:	Based met.	on available data, the classifi	cation criteria are not		
	Genotoxicity:		Based on available data, the classification criteria are met.				
	Mutagenicity in-vive):	Based on available data, the classification criteria are no met.				
	Germ cell mutageni	city:	Based on available data, the classification criteria are no met.				
	Reproductive toxicity:			Based on available data, the classification criteria are not met.			
	Summary of eval properties:	uation of the CMR	No inf	ormation available			
11.2.	Information on other	er hazards:					
11.2.1.	Endocrine disruptin	g properties:					
	•	e disrupting properties					



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Trade name:					
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11.2.2.	Other informations:
	-

12.1. To	xicity							
Acute (short- toxicity	term)	Dose	Exposure time	Species	N	1ethod	Evaluation	Note
Fish		LC ₅₀	96 hours	-	-		-	-
Crustacea:		EC ₅₀	48 hours	-	-		-	-
Algae/aquati	c plants:	IC ₅₀	72 hours	-	-		-	-
Other organi	sms	-	-	-	-		-	-
Chronic (long toxicity	g-term)	Doza	Exposure time	Species	N	1ethod	Evaluation	Note
Fish		LC ₅₀	96 hours	-	-		-	-
Crustacea:		EC ₅₀	48 hours	-	-		-	-
Algae/aquati	c plants:	IC ₅₀	72 hours	-	-		-	-
Other organi	sms	-	-	-	-		-	-
Ab	otic degra		•					
	Degr	adation ha	lf-lives	Method			Evaluation	Note
Marine water	No infor	mation av	ailable	No intormation available		No inf availat	ormation ole	-
Fresh water	No infor	mation av		No information available		No information available		-
	No information available			No information av		availal		-
Air		il No information available		No information available			ormation	-
Air Soil	No infor	mation av	allable			availal	oie	
	No infor	mation av	allable			availat	ле	
Soil	No infor		allable			availat	DIE	
Soil	odegradat			Method		availat Evaluatio	1	Note

12.3. Bioaccumulative potential



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Trade name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION							
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4			

	Octanol-w	ater partitior	coefficier	ıt (log k	(ow)					
Value	Cond	entration	рН	°C	M	lethod	Evalua	tion		Note
No informatic available		formation ble	-	-	No inf availab	ormation ble	No inform available	ation	-	
	Bioconcer	tration Facto	or (BCF)							
Valu	ie	Speci	es		Metho	d	Evaluation	ı		Note
No inform available		lo informatio vailable	on	No in availa	nformati able		lo informatic vailable		_	
	Chronic ed	otoxicity								
V	/alue	Dose	Expos		Spe	ecies	Method	Eval	luation	Note
Chronic to	oxicity on f	ish LC ₅₀	No informa availabl		No inform availal	ation ir	lo nformation vailable	No information - available		-
	Chronic toxicity on crustacea (Daphnia)		No informa availabl		No inform availal	ation ir	lo nformation vailable	No inforr availa	mation ible	_
12.4.	Mobility in	soil								
	Known or	oredicted dis	tribution i	n enviro	onment	al compartr	ments:			
	Surface te	nsion:								
	Value	°C		oncent	ration	1	Method		1	Note
j	No informatio n available	No informatio available		inform ailable	nation	No information available		-		
	Adsorptio	n / desorptio	n							
Transport		D coefficient nry's constan		og Kow		Evaporatior rate	n Me	ethod		Note



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Trade na	ame:		PHOSPHON	MOLYBDIC AC	CID, 5% SOLUTION		
Product	code:	FMK5-OT-X**	Date of comp	pilation: 14 I	November 2022	Version:	4
				1			
Soil-wat	_	information ailable	No information available	No information available	No information available	-	
Water-a	_	information ailable	No information available	No information available	No information available	-	
Soil-air		information ailable	No information available	No information available	No information available	-	
12.5.	Results	of PBT and vPvB a	ssessment				
			•		to be either persistent (vPvB) at levels of 0.1%		ve
12.6.	Endocri	ne disrupting prop	erties				
				•	ered to have endocrin		
		_	EACH Article 57(f) o EU) 2018/605 at leve		Delegated regulation (E	EU) 2017/2100 (or
	COMMIN	sion regulation (E	2010,003 at leve	213 01 0.170 01 111	grier.		
12.7.	Other a	dverse effects					
12.7.		rmation available					
	140 11110	Thatier available					
SECTIO	N 13. Dis	posal considerati	ons				
13.1.		reatment methods					
	110000						
13.1.1.	Produ	ct/Packaging dispo	osal:				
		t for disposal to th		norized by the M	Ministry of Environmen	ital and Nature	
	TTOTO	.cion.					
13.1.2.	Waste	codes/waste desi	gnations according	to Law:			
	Dispos	sal must be made	according to officia	l regulations.			
			<u>-</u>	-			
13.1.3.	Waste	treatment – releva	ant information:				
	No inf	ormation available	2				
13.1.4.	Sewag	je disposal – releva	ant information:				
	Waste	must not be dispo	osed of into the sev	vage system.			
13.1.5.	Other	disposal recomme	endations:				



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Trade name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION						
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	authorized by the ministr	oduct's remains into the sewage system. Submit the remains to the collectors y in charge. Do not dispose of the packaging into the sewage system. the collectors authorized by the ministry in charge.
13.1.6.	Relevant Community prov	visions:
	-	
SECTIO	N 14. Transport informatio	n
	Transporting/shipment by	road (ADR)
UN num	ıber:	Not subject to transport regulations
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environ	mental hazards:	-
Special	orecautions for user:	-
	Transporting/shipment by	rail (RID)
UN num	ıber:	Not subject to transport regulations
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environ	mental hazards:	-
Special	orecautions for user:	-
	Transporting/shipment by	inland waterways (ADN)
UN num	ıber:	Not subject to transport regulations
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environ	mental hazards:	-
Special	orecautions for user:	-
	Transporting/shipment by	sea (IMDG)
UN num	ıber:	Not subject to transport regulations
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environ	nental hazards:	-
Special	orecautions for user:	-



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Trade name:					
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4

-
(ICAO-TI/IATA-DGR)
Not subject to transport regulations
-
-
-
-
-

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



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Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version: 4		

	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessn	nent
	-	

SECTIO	ON 16. (Other information			
16.1.	Indic	ation of changes:	-		
16.2.	Key literature references		ADR: Accord relatif au transport international des marchandises dangereuses pa 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.		iterature references source of data:	Manufacturer's MSDS file.		
16.4.		ification and procedu /2008 (CLP)	re used to derive the classification for mixture according to Regulation (EC)		
Classifi	cation		Classification procedure		
-			-		
16.5.	Relev	ant H statements (nu	mber and full text)		
	H:	314 315 319	Causes severe skin burns and eye damage. Causes skin irritation. Causes serious eye irritation.		
16.6.	Train	ing advice:	-		
16.7.	Furth	ner information:	"X" in the product code marks different volumes (different packaging of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to Chemical safety assessment



SAFETY DATA SHEET

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

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Trade name:	PHOSPHOMOLYBDIC ACID, 5% SOLUTION					
Product code:	FMK5-OT-X**	Date of compilation:	14 November 2022	Version:	4	

-		



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Trade name:		AZAN REAGENT						
Product code:	AZR-OT-X**	Date of compilation:	14 November 2022	Version:	4			

1.1.	Product identifier				
	Trading name:	AZAN REAGENT			
	Chemical name:	-			
	Product code:	AZR-OT-X*	*		
1.2.	Relevant identified use	s of the sub	ostance or mix	ture and uses advised against	
	Uses:		For use w	ith Azan Trichrome kit.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device and there is no reason to use it for other purposes.		
1.3.	Details of the supplier of the safety data sheet				
	Supplier: Bio		oGnost Ltd.	oGnost Ltd.	
	Address:	М	Medjugorska 59, Zagreb		
	Telephone number:	+3	+385 1 2409997		
	Telefax:	+3	+385 1 2404039		
	e-mail of competent p	erson: <u>m</u>	msds@biognost.hr		
	National contact:				
1.4.	Emergency telephone numbers				
	National Protection and Rescue Dire		irectorate:	112	
	National Protection an	a Nescae D		<u>:</u>	
	Medical information:	a Nescue D		+385 1 2348 342	

SECTIO	N 2. Hazards identification					
2.1.	Classification of the substa	nce or mixture				
2.1.1.	Classification according to	Regulation (EC) No	1272/2008 (CLF	P)		
	Hazard class and category code: Hazard statement*:					
	Skin Irr. 2		H315			
	Eye Irr. 2		H319			
2.1.2.	Additional information					
	-					
*For the	e full text of H and EUH phra	ses see Section 16.				
2.2.	Label elements					
	Product identification:	AZAN REAGENT				
	Identification number:	-				
	Authorisation number:	-				



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Trade name:		AZAN REAGENT					
Product code:	AZR-OT-X**	Date of compilation:	14 November 2022	Version:	4		

	Hazard pictograms:	GHS07
	Signal word:	Warning
	Hazard statement:	H315 Causes skin irritation H319 Causes serious eye irritation.
	Precautionary statement:	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. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P337+P313 If eye irritation persists: Get medical advice/attention.
	Supplemetal hazard information (EU):	-
2.3.	Other hazards	
		ting properties. tains no components considered to be either persistent, bioaccumulative istent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Co	SECTION 3. Composition/information on ingredients							
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)				
64-19-7/ 200-580-7/ 607-002-00-6	-	5 – 6 %	acetic acid, glacial 99%	Flam. Liq. 3; H226 Skin Corr. 1A; H314				

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:	Move out of dangerous area. Show this safety data sheet to the doctor and first responders.			
	Following inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical advice.			
	Following skin contact:	Wash off with soap and plenty of water. If irritation occurs and persists: Get medical advice.			



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Trade name:		AZAN REAGENT					
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	Following eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs and persists: Get medical advice.	
	Following ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water.	
	Self-protection of the first aider	-	
4.2.	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	
	Following skin contact:	According to our findings, chemical, physical and toxicological properties 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		
	Treat symptomatically.		

SECTION 5. Firefighting measures				
5.1.	Extinguishing media			
	Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray (FOG) or foam.		
	Unsuitable extinguishing media:	Avoid solid water stream as it may scatter and spread fire.		
5.2.	2. Special hazards arising from the substance or mixture			
	Hazardous by products of fire:	Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiant at sufficient concentrations).		
5.3.	Advice for firefighters Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool clos containers exposed to fire with water spray or vapor.			
5.4.	.4. Additional information Heating may cause container cracking due to increase in pressure. Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.			

SECTION 6. Accidental release measures			
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
	Protective equipment:	Use suitable personal protective equipment (see Section 8).	



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Trade name:	AZAN REAGENT				
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	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:		
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).		
6.2.	Environmental precautions:		
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.		
6.3.	Methods and materials for containment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.	
6.3.2.	Cleaning up:	After removing the product, use water to wash the work space and used materials.	
6.3.3.	Other information:	No information available.	
6.4.	Reference to other sections		
	-		

SECTION 7. Handling and storage				
7.1.	Precautions for safe handling			
7.1.1.	Protection measures			
	Measures to prevent fire:		Use in well ventilated storage rooms. Refer to the manufacturer's recommendations.	
	Measures to prevent aerosol and dust generation:		Secure proper ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		-	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incompatibilities			
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Manufacturer's original packaging. Keep away from food and drink. Keep the containers tightly closed.		
	Packaging materials:			
	Requirements for storage rooms and vessels:			



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Trade name:	AZAN REAGENT						
Product code:	AZR-OT-X**	Date of compilation:	14 November 2022	Version:	4		

	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. EX	POSU	JRE COI	NTROLS / P	ERSONA	AL PROTECTION	ON			
8.1. Contr	ol pa	rameter	'S						
Substance		CAS N	CAS No		Occupational exposure limit values/short term values			iological limit values	
				ppm	mg	J∕m³			
Acetic acid 64-1			64-19	-7	10/20	25	/50		-
Substance:	-		1			1			
EC No:	-		CAS No:	-					
DNEL									
					Industrial				
Route of exposure:		te effect local		ute effect ystemic	Ch	Chronic effect local		Chronic effect systemic	
Oral		-		-	-			-	
Inhalation		-		-		-	-		-
Dermal		-		-		-	-		-
Critical physical	para	meters:	solubility, fl	ammabil	ity, corrosivity	:	-		
					Consumer				
Route of exposure: Acute effect local		Acute effect systemic		Ch	Chronic effect local		Chronic effect systemic		
Oral -			1		-			-	
Inhalation			-			-			
Dermal		-		-		-			-
PNEC									
Environmental p	orote	ction tai	rget		PNEC				



Fresh water

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No information available

i iesii wat	CI		- The information dvallable				
Freshwate	er sediments		No information available				
Marine wa	ater		No information available				
Marine se	diments		No information available				
Food chai	'n		No information available				
Microorga	anisms in sewage treatment		No information available				
Soil (agric	cultural)		No information available				
Air			No information available				
8.2.	Exposure controls						
8.2.1.	Appropriate engineering controls	5					
	Substance/mixture related measure to prevent exposure during ident uses:	rified	Jse personal protective equipment. Do not eat, drink or moke in the workspace.				
	Structural measures to prevent exposure:	١	No information available Organization of work in order to reduce other worker's influence during work process.				
	Organisational measures to preve exposure:						
	Technical measures to prevent exposure:		Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.				
8.2.2.	Personal protection equipment:						
8.2.2.1.	Eye and face protection:		Safety glasses tested and approved under appropriate standards such as EN 166(EU).				
8.2.2.2.	Skin protection:	Skin protection:					
	Hand protection:	p C	Handle with chemical resistant gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived fro it.				
	Other skin protection:	١	No specific protective equipment required.				
8.2.2.3.	.2.3. Respiratory protection:		Jse when overexposure potential. Improper use of espirators is dangerous.				
8.2.2.4.	Thermal hazards:	١	No information available				
8.2.3.	Environmental exposure controls						
	Substance/mixture related measures to prevent exposure:	See Sec	ction 6				
	Structural measures to prevent exposure:	Use mo	odern equipment.				
	Organisational measures to prevent exposure:	Adapt t	t the work process to the required working conditions of the place.				



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

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

SECTIO	SECTION 10.: Stability and reactivity					
10.1.	Reactivity:	Not reactive under normal conditions.				
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).				
10.3.	Possibility of hazardous reactions:	No information available.				



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10.4.	Conditions to avoid:	Contact with incompatible materials and temperature extremes.
10.5.	Incompatible materials:	Strong oxidizers.
10.6.	Hazardous decomposition products:	Does not decompose under normal conditions. During fire, thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (as asphyxiant as sufficient concentrations).

11.1.	Informa	ition on toxic	cological effe	cts						
	Acute to	oxicity:	-							
Route of exposure:		Metl	nod	Sp	ecies	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}		Exposure time		Results
Oral:		No infor availa			-	N inform avail	nation	-		-
Dermal	•	No infor availa			-	N inform avail	nation	-		-
Inhalati	Inhalation:		mation able		-	No information available		-		_
	Specific	target orga	n toxicity - si	nale e	xposure (STC	OT-SF)·				
	эрссии	targer orga	-	fic effe		J. JL).	Targe	et organ		Note
Oral:		No inform	nation availal				-		-	
Dermal	•	No inform	nation availal	ole			-		-	
Inhalati	on:	No inform	nation availal	ole			-		-	
	Aspirat	ion hazard:			-					
	Irritatio	n and corros	ion			-				
			Exposure ti		Species		Evaluati	on M	Method	Note
Skin corrosion/irritation: No information available			rabbit	-		-		mild skin irritation		
Serious irritation to eyes: No informatio available										



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Sensi	tization						
Skin sensitizatio	n: N	lo inform	nation available.				
Respiratory sensitization:	N	lo inform	nation available.				
Symp	toms relat	ed to ph	ysical, chemical	, and toxicologic	cal properties		
Oral exposure:		1	own specific syn				
Dermal exposure: No know			own specific syn	nptoms. May ca	use skin irritatior	١.	
Inhalation exposure: No kn			own specific syn	nptoms.			
Eye exposure:		No kno	own specific syn	nptoms. May ca	use mild eye irrit	ation.	
Repea	ated dose	toxicity (subacute, subcl	ronic, chronic)			
	Do	se	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No infor		No information available	No information available	No information available	No information available	No information available
Subacute dermal	No infor		No information available	No information available	No information available	No information available	No information available
Subacute inhalation	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic oral	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic dermal	No infor		No information available	No information available	No information available	No information available	No information available
Subchronic inhalation	No infor		No information available	No information available	No information available	No information available	No information available
Chronic oral	No infor		No information available	No information available	No information available	No information available	No information available
Chronic dermal	No infor		No information available	No information available	No information available	No information available	No information available



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Chronic inhalation	No information available	No information available	No informatio available	on	No information available	No informatic available	n	No information available
Spe	ecific target organ to	xicity - repeated	exposure (STOT	-RE):			
		Specific eff	fects		Target org	an		Note
Subacute ora	I N	lo information a	vailable	No	information ava	ailable		
Subacute der	mal N	lo information a	vailable	No	information ava	ailable		
Subacute inh	alation N	lo information a	vailable	No	information ava	ailable		
Subchronic o	ral N	lo information a	vailable	No information available			Note No information available Sole No information available No information available Sole No information available	
Subchronic d	ermal N	lo information a	mation available information available infor					
Subchronic in	nhalation N	lo information a	vailable	No information available		on available No information available No information available No information available No information available		
Chronic oral		No information available			information ava	ailable		
Chronic derm	nal N	No information available		No information available		ailable	available No information available No information available No information	
Chronic inhal	ation N	lo information a	vailable	No information available		ailable		
CM	R effects (carcinoge	nicity mutagenic	rity reprodu	ıctive	toxicity)			
	cinogenicity:	mercy, matagerine				e classification	on cri	teria are not
				on av	vailable data the	e classificatio	on cri	teria are not
Mu	tagenicity in-vitro:		met.					
Ger	notoxicity:			on av	vailable data, the	e classification	on cri	teria are not
Mu	tagenicity <i>in-vivo</i> :		Based	on av	vailable data, the	e classification	on cri	teria are not
Ger	m cell mutagenicity	:	Based	on a	vailable data, th	e classification	on cri	teria are not
Rep	productive toxicity:			on a	vailable data, the	e classification	on cri	teria are not
	mmary of evaluati	on of the CN	MR No infe	orma	tion available			



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

SECTIO	N 12.	Ecologic	al informa	ation							
12.1.	Tox	ricity									
Acute (s toxicity	hort-1	term)	Dose	Exposur time	e Spe	ecies	М	ethod	Evaluatio	on	Note
Fish			LC ₅₀	96 hours	-		-		-	-	
Crustace	ea:		EC ₅₀	48 hours	-		-		_	-	
Algae/a	quatio	plants:	IC ₅₀	72 hours	-		-		_	-	
Other organisms		-	-	-		-		_	-		
Chronic toxicity	(long	-term)	Doza	Exposur time	e Spe	ecies	М	ethod	Evaluatio	n	Note
Fish			LC ₅₀	96 hours	-		-		-	-	
Crustacea:		EC ₅₀	48 hours	-		-		_	-		
Algae/aquatic plants:		IC ₅₀	72 hours	-		-		_	-		
Other organisms		-	-	-		-		_	-		
			•	:	3		·	·		:	
12.2.	Pers	sistence a	nd degrad	ability							
	Abio	otic degra	adation								
		Degra	adation ha	lf-lives	Me	thod			Evaluation		Note
Marine water		No infor	mation av	ailable	No informat	tion availal	ole	_	No information available		-
Fresh wa	ater	No infor	mation av	ailable	No informat	tion availal	ole	No info	ormation le		-
Air		No infor	mation av	ailable	No informat	tion availal	ole	No info	ormation ole		-
Soil		No infor	mation av	ailable	No informat	tion availal	ole	No information available			-
										,	
	Bio	degradati	ion								
% Degi	adati	on	Time (da	ays)	Metho	d	E	valuatio	on		Note



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Product code	e: /	AZR-C)T-X**		Date of	compila	tion:	14	November	2022		Version:	4
No information		No information available No information available available			-								
12.3. Bio	accumu	ulative	potent	ial			·						
Oct	anol-w	ater pa	artition	coeffic	ient (log	Kow)					1		
Value		centrat		рН	°C		ethod		Evalua			Note	
No information available	No in	format ble	tion	-	-	No info		on	No informa available	ation	-		
Bio	concen	ntration	n Facto	r (BCF)									
Value	Value Species			Method	b		Evaluation	1		Note			
No information	No information No information		n		No information available		No information available		-				
Chı	ronic ed	cotoxic	city										
Valu			Dose		oosure time	Spe	cies		Method	Ev	aluation	Not	te
Chronic toxic	ity on f	ish l	LC ₅₀	No infori availa	mation able	No inform availab			o formation ailable		rmation lable	-	
Chronic toxic crustacea (Da	-	E	EC ₅₀	No	mation	No inform availab	ation	No int		No info	rmation lable	-	
12.4. Mo	bility in	soil											
			ted dis	tributio	n in envi	ronmenta	al comp	partm	ents:				
Sur	face ter	nsion:											
V	/alue		°C		Concer	tration		M	lethod			Note	
	ormatio vailable		ormatio ilable		No infor available		No ir availa		nation				



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Trade name	: :		AZAN REAGENT				
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A	dsorpt	ion / desorption					
Transport		A/D coefficient lenry's constant	log Kow	Evapor		Method	Note
Soil-water		information ilable	No information available	No informat available		No information available	-
Water-air		information ilable	No information available	No informat available		No information available	-
Soil-air		information ilable	No information available	No informat available		No information available	-
12.5. Re	esults o	of PBT and vPvB a	ssessment				
			•			to be either persisten	
ar	nd toxi	c (PBT), or very pe	ersistent and very bi	oaccumul	ative (\	vPvB) at levels of 0.19	% or higher.
12.6. Er	ndocrin	ne disrupting prop	perties				
						ered to have endocrir	
	•	_				elegated regulation (EU) 2017/2100 or
C	OMMINIS	sion Regulation (E	EU) 2018/605 at leve	215 01 0.1%	or nig	gner.	
12.7	+ bor oo	duarea affacts					
		dverse effects					
IN(o intor	mation available					
CECTION 4	2 D:	1 .1					
		oosal considerati					
13.1. W	aste tr	eatment methods	5				
13.1.1.	Produc	ct/Packaging disp	osal:				
		<u> </u>		norized by	the M	linistry of Environmer	ntal and Nature
	Protect	•					
42.4.2							
			gnations according				
	Dispos	al must be made	according to officia	ı regulatio	ns.		
13.1.3. \	Wasto.	treatment – relev	ant information:				
13.1.3.	vvaste	u caument – reiev	ant imormation.				



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	No information available	
13.1.4.	Sewage disposal – releva	nt information:
	Waste must not be dispo	sed of into the sewage system.
13.1.5.	Other disposal recommen	ndations:
	authorized by the ministr	oduct's remains into the sewage system. Submit the remains to the collectors y in charge. Do not dispose of the packaging into the sewage system. the collectors authorized by the ministry in charge.
13.1.6.	Relevant Community pro	visions:
	-	
SECTIO	N 14. Transport informatio	o n
	Transporting/shipment by	road (ADR)
UN num	ber:	Not subject to transport regulations
UN proper shipping name:		-
Transport hazard class(es):		-
Packing	group:	-
Environr	mental hazards:	-
Special	orecautions for user:	-
	Transporting/shipment by	rail (RID)
UN num	ıber:	Not subject to transport regulations
UN prop	per shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	mental hazards:	-
Special	orecautions for user:	-
	Transporting/shipment by	inland waterways (ADN)
UN num	ber:	Not subject to transport regulations
UN prop	er shipping name:	-
Transpo	rt hazard class(es):	-
Packing	group:	-
Environr	mental hazards:	-
Special	orecautions for user:	-
	Transporting/shipment by	sea (IMDG)
UN num	ıber:	Not subject to transport regulations



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UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air ((ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN number: UN proper shipping name:	Not subject to transport regulations -
UN proper shipping name:	-
UN proper shipping name: Transport hazard class(es):	-
UN proper shipping name: Transport hazard class(es): Packing group:	
UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	- - -

SECTIO	TION 15. Regulatory information		
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture		
	EU regulations		
	Authorisation and/or res	strictions on use	
	Authorisations:	-	
	Restrictions:	-	
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);	



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	Information according of guideline)	1999/13/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 assessment	
	-	

SECTIO	N 16. 0	Other information			
16.1.	Indic	ation of changes:	-		
16.2.	Abbreviations and		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: Manufacturer's MSDS file.		Manufacturer's MSDS file.		
16.4.		ification and procedu /2008 (CLP)	re used to derive the classification for mixture according to Regulation (EC)		
Classific	fication		Classification procedure		
-			-		
16.5.	Relevant H statements (number and full text)		mber and full text)		
	314 H: 315 319		Causes severe skin burns and eye damage. Causes skin irritation. Causes serious eye irritation.		
16.6.			-		
16.7.	Further information:		"X" in the product code marks different volumes (different packaging of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		



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ANNEX: Exposure scenario resulting to Chemical safety assessment
-