

ALCIAN BLUE pH 1.0 KIT

The kit contains:

Alcian Blue solution pH 1.0 HCl reagent, Alcian Blue Nuclear Fast Red (Kernechtrot) reagent



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Trading name:	ALCIAN BLUE SOLUTION pH 1.0				
Product code:	AB10-OT-X**	Date of compilation:	21 Dec 2022	Version: 4	

SECTI	ON 1: Identification of	the subst	ance/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trading name:	ALCIAN	N BLUE SOLUTIO	N pH 1.0	
	Chemical name:	-			
	Catalogue number:	AB10-0	DT-X**		
1.2.	Relevant identified us	es of the :	substance or mix	ture and uses advised against	
	Uses:		For staining he	avily sulfated mucopolysaccharides.	
	Uses advised against:		Only the identi	fied 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	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.		
1	эаррист.		biodilost Lta.		
	Address:		Medjugorska	59, Zagreb	
	Address:		Medjugorska	97	
	Address: Telephone number:	person:	Medjugorska +385 1 24099	97 39	
	Address: Telephone number: Fax no.:	person:	Medjugorska +385 1 24099 +385 1 24040	97 39	
1.4.	Address: Telephone number: Fax no.: e-mail of competent p		Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39	
1.4.	Address: Telephone number: Fax no.: e-mail of competent p National contact:	number	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39	
1.4.	Address: Telephone number: Fax no.: e-mail of competent p National contact: Emergency telephone	number	Medjugorska +385 1 24099 +385 1 24040 msds@biogno	97 39 ost.hr	

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and category code: Hazard statements*:					
	Not identified as hazardous substa	nce.	-			
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-stat	ements: see S	ection 16			
2.2.	Label elements					
	Product identification:	ALCIAN BLUE	SOLUTION pH 1.0			
	Identification number:	_				
	Authorization no.:	-				
	Hazard pictograms:	-				



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

SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)		
7647-01-0/ 231-595-7/ 017-002-00-2	01-2119484862- 27-xxxx	< 1 %	hydrochloric acid, 37%	Skin Corr. 1A; H314 STOT SE 3; H335		

SECTIO	ECTION 4. First aid measures				
4.1.	Description of first aid mea	sures			
	General notes:		-		
	Following inhalation:		No information available		
	Following skin contact:		No information available		
	Following eye contact:		No information available		
	Following ingestion:		No information available		
	Self-protection of the first a	aider:	Treat symptomatically.		
4.2.	Most important symptoms	and ef	fects, both acute and delayed		
	Following inhalation:	No i	information available		
	Following skin contact:	No i	information available		
	Following eye contact:	No i	information available		
	Following ingestion:	No i	information available		
4.3.	Indication of any immediat	e medi	cal attention and special treatment needed		
	-				

SECTION 5 Firefighting measures		
5.1.	Extinguishing media	



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

SECTIO	ON 6. Accidental release meas	ures			
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Wear protective equipment (see Section 8).				
6.2.	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Nationa Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.			
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.			
6.3.3.	Other information:	-			
6.4.	Reference to other sections				



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See Section 7 for information about secure handling.

See Section 8 for information about personal protective equipment.

See Section 13 for information about containment.

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

SECTIO	SECTION 8. Exposure controls/personal protection						
8.1.	Control parameters						
	Substance	CAS No	Occupational exposure limit values/short term values		Biological limit values		
			ppm	mg/m³	_		



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amended by Regulation (EU) No. 2020/878

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Trading name: AL					ALCI	ALCIAN BLUE SOLUTION pH 1.0			
Product code:		AB10-OT-X** Date of		of compilation: 21 Dec 2022 Version:			Version: 4		
	:			:			:		1 1
Hydrogen c	hloride		7647-0)1-0 5/10		8/15	No inform	nation available	
Substance	_								
name:			CAC NI-						
EC No:			CAS No:	-					
DINEL					In	dustrial			
Route of			Acute		Acut		Chro	nic	Chronic
exposure:			ect local	e	effect sys		effect		effect systemic
Oral		-		-			-		-
Inhalation		-		-			-		-
Dermal		-		-			-		-
Critical phys	sical para	ameters: s	solubility, fla	mmak	oility, co	rosivity:	-		
	Consumer								
Route of		A	Acute		Acute		Chronic		Chronic
exposure:		effe	ect local	ct local effect sy		stemic	effect local		effect systemic
Oral		-		-	-		-		-
Inhalation		-		-	-		-		-
Dermal		-		-			-		-
PNEC									
Environmen	•	ection tar	get			PNEC			
Fresh water							mation availab		
Freshwater		its					mation availab		
Marine wate						No information available			
Food chain	ments					No information available No information available			
Microorgan	isms in a	sewage tr	eatment			No information available No information available			
Soil (agricul		evvage II	Cathent			No information available No information available			
Air	tarary				No information available				
7						1.10			
8.2.	Exposu	re contro	ls						
8.2.1.	•		ineering co	ntrols					
	measur		ıre related vent exposu I uses:	ıre		•	n well ventilate ot eat, drink or		se personal protective e workspace.
	Structu		ures to preve	ent	No info	No information available			



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

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



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	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:	0.95 – 1.05	No information available
	Kinematic viscosity:	No information available	No information available
	Solubility:	No information available	No information available
	Partition coefficient n-octanol/water (log value):	No information available	No information available
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2.	Other information		
	-		

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

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



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Product code:	AB10-OT-X**	Da	ite of compilat	ion: 2	1 Dec 2022	Version: 4
Inhalation	No informatio	n _		LC ₅₀		-
exposure:	available					
			(CTCT CT)			
Specific t	arget organ toxicit		osure (STOT SE):			
0.1		cific effects		Target o		Note
Oral exposure:		tion available		mation av		-
Dermal exposure:		tion available		mation av		-
Inhalation exposu	re: No informa	tion available	No infor	mation av	/ailable	-
				.,		
Respirato	ory irritation:	N	o information a	vailable		
Irritation	and corrosion	<u> </u>	_			
	Exposure time	e Specie		luation	Method	
Skin irritation:	-	-	-		-	-
Eye irritation:	-	-	-		-	-
Sensitizat						
Dermal exposure:	No information	available				
Inhalation	No information	available				
exposure:						
Symptom	ns related to the ph	nysical chemic	al and toxicolog	ical chara	acteristics	
Oral exposure:	No information		ar aria toxicolog	icai citat	actoristics	
Dermal exposure:	No information					
Inhalation						
exposure:	No information	available				
Eye exposure:	No information	available				
	•					
Repeated	l dose toxicity (sub	acute, subchro	onic, chronic)			
	Dose	Exposure time	Species	Method	d Evaluatio	on Note
Subacute oral	No information available	No information available	No information available	No informa n availa	: availahla	_
Subacute dermal	No information available	No information available	No information available	No informa n availa	availahle	



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rioduct code.	ADTO-OT-X	D	ate of compila	ition. Zi De	C 2022 \	7E131011. 4
Subacute inhalation	No information available	No information available	No information available	No informatio n available	No information	on _
Subchronic oral	No information available	No information available	No information available	No informatio n available	No informatio	on _
Subchronic dermal	No information available	No information available	No information available	No informatio n available	No informatic available	on _
Subchronic inhalation	No information available	No information available	No information available	No informatio n available	No informatic	on _
Chronic oral	No information available	No information available	No information available	No informatio n available	No informatic	on _
Chronic dermal	No information available	No information available	No information available	No informatio n available	No informatic	on _
Chronic inhalation	No information available	No information available	No information available	No informatio n available	No informatic	on -
	·	·		i	·	i
Specific	target organ toxici	ty – repeated e	exposure (STOT	RE):		
	Spe	ecific effects		Target orga	an	Note
Subacute oral	No inform	ation available	No info	rmation availab	ole	-

	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	-
Chronic inhalation	No information available	No information available	-

CMR effects (carcinogenici	ty, mutagenicity, reproductive toxicity)
Carcinogenicity:	No information available
Mutagenicity in-vitro:	No information available
Genotoxicity:	No information available
Mutagenicity in-vivo:	No information available



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	Germ cell mutagenicity: No in	formation available		
	Reproductive toxicity: No information available			
	Summary of evaluation of the CMR pro	pperties: -		
11.2	Information on other hazards:			
11.2.1.	Endocrine disrupting properties:			
	The substance/mixture does no contain components considered to have endocrine disrupting properties according to REACH Article 57(f) of Commission Delegated regulation (EU 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% of higher.	o es		
11.2.2.	Other informations:			
	-			

SECTION 12. Ecological information

12.1. Toxicity

Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	-	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	-	-
Microorganisms	LC ₅₀	72 hours	-	-	-	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	-	1
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-



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Abiotic Marine water Fresh water	IC ₅₀	72 hc - bility If-lives vailable vailable	ours	No information available - Method	No info	rmation lable	2 Version		
Other organism 12.2. Persist Abiotic Marine water Fresh water	rence and degrada c degradation Degradation ha No information av No information av	- bility If-lives vailable		available - Method	info avai	lable -	-		
Abiotic Marine water Fresh water	ence and degrada c degradation Degradation ha No information av No information av	bility If-lives vailable vailable	No	Method	-				
Abiotic Marine water Fresh water	Degradation No information av No information av No information av	lf-lives vailable vailable	No				untion		
Abiotic Marine water Fresh water	Degradation No information av No information av No information av	lf-lives vailable vailable	No				uation		
Marine water Fresh water	Degradation ha No information av No information av No information av	vailable vailable	No				uation		
water Fresh water	No information as No information as No information as	vailable vailable	No			⊢\/alı		Note	
Fresh water	No information av			information avail	able	No informatio		-	
	No information av		No	information avail	able	No informatio	n available	_	
VIII				information avail		No informatio		-	
				information avail		No informatio		-	
			·		<u> </u>			i	
Biodeg	gradation								
% Degradation	n Time (day	rs)		Method		Evaluation	No	te	
No information available	No infor available	mation	No ir availa	nformation able		o information ailable	No informat available		
12.3. Bioacc	umulative potentia	al							
Partitio	on coefficient: n-o	ctanol/w	vater (lo	og Kow):					
Value	Concentration	рН	°C	Method		Evaluation	ı N	lote	
	lo information vailable	-	_	No informati available	on	No informatio available	n _		

Biocor	ncentration factor ((BCF)							
Value	Species			Method		Evaluation	<u> </u>	ote	
No information available	No inform available	nation	No inf availab	ormation ble		o information ailable	No inform available	nation	
Chroni	ic ecotoxicity								



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	Va	lue	Dose	Exposure time	Species	s Method	Evalua	ation	Note
Chroni	c toxio	city on fish	LC ₅₀	No information	No informati available	1	No inforr available		-
Chroni crustac		city on aphnia)	EC ₅₀	information	No informati available	1	No inforr available		-
12.4.	Mol	bility in soi	I						
	Kno	wn or pred	dicted distributi	on in environme	ntal com	partments:			
	No	informatio	n available						
	Surf	face tensio	n:				Ţ		
		Value	°C	Concentrati	Concentration Metho		d		Note
	_	rmation ilable	No information available	No information	on No	o information av	vailable	_	
Transp		-	desorption coefficient 's constant	log Kow	Eva	poration rate	Method		Note
Soil-wa	ater	No available	information	No information available	n No inf availal	formation ble	No informatio available	n -	
Water-	air	No available	information	No information available	n No inf availal	formation ble	No informatio available	n -	
Soil-air	•	No available	information	No information available	n No inf availal	formation ble	No informatio available	n -	
12.5.		LILE OF DOT	and vPvB asses	ccmont					

12.6. Endocrine disrupting properties



Trading name:

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	accordin		t contain components considered to have endocrine disrupting properties) or Commission Delegated regulation (EU) 2017/2100 or Commission els of 0.1% or higher.
12.7.	Other ad	verse effects	
	No infor	mation available	
SECTION	ON 13. Dis	posal considerations	
13.1.	Waste	treatment methods	
13.1.1.		t/Packaging disposal:	
	Submit Protect		al person authorized by the Ministry of Environmental and Nature
13.1.2.		codes/waste designation	ons according to Law:
	No info	ormation available	
13.1.3.		treatment – relevant in	formation:
	No into	ormation available	
13.1.4.	Sowage	e disposal – relevant inf	formation:
13.1.4.		•	of into the sewage system.
	Waste	mast not be disposed t	into the sewage system.
13.1.5.	. Other o	disposal recommendati	ons:
	Do not authori the pac	dispose of the productive dispose of the productive dispose of the ministry in a	t's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit is authorized by the ministry in charge. Do not dispose of in places where
13.1.6.	. Relevai	nt Community provision	ns:
	-		
SECTION	ON 14. Tra	nsport information	
		ting/shipment by road	
UN nu			Not subject to transport regulations.
	oper shippi		-
	ort hazard	class(es):	-
Packin	ng group:		



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Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	
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:	-
Special precautions for user: Transporting/shipment by sea (If	
Transporting/shipment by sea (II	MDG)
Transporting/shipment by sea (INUN number:	MDG) Not subject to transport regulations.
Transporting/shipment by sea (IN UN number: UN proper shipping name:	MDG) Not subject to transport regulations
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es):	MDG) Not subject to transport regulations. -
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group:	MDG) Not subject to transport regulations.
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous:	MDG) Not subject to transport regulations.
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user:	MDG) Not subject to transport regulations.
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC	MDG) Not subject to transport regulations. AO-TI/IATA-DGR)
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number:	MDG) Not subject to transport regulations. Not Subject to transport regulations.
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name:	MDG) Not subject to transport regulations. Not subject to transport regulations. - Not subject to transport regulations
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name: Transport hazard class(es):	MDG) Not subject to transport regulations. Not Subject to transport regulations. Not subject to transport regulations
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name: Transport hazard class(es): Packing group:	MDG) Not subject to transport regulations. MO-TI/IATA-DGR) Not subject to transport regulations
Transporting/shipment by sea (IN UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous: Special precautions for user: Transporting/shipment by air (IC UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous:	MDG) Not subject to transport regulations. AO-TI/IATA-DGR) Not subject to transport regulations

SECTION 15. Regulatory information

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



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

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

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Trading name:	ALCIAN BLUE SOLUTION pH 1.0				
Product code:	AB10-OT-X**	Date of compilation:	21 Dec 2022	Version:	4

	EU regulations	
	Authorization and/or restri	ctions of use
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 1999 guideline)	9/13/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 assessmen	t
	None	

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



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Trading name:	ALCIAN BLUE SOLUTION pH 1.0			
Product code:	AB10-OT-X**	Date of compilation:	21 Dec 2022	Version: 4

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

ANNEX:

Exposure scenario resulting to Chemical safety assessment

-



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Trading name:	HCL REAGENT, ALCIAN BLUE			
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3

SECTI	ION 1: Identification of	the substan	ce/mixture a	nd of the company/undertaking	
1.1.	Product identifier				
	Trading name:	HCL REAG	ENT, ALCIAN	BLUE	
	Chemical name:	-	-		
l	Catalogue number:	HCLAB-O1	HCLAB-OT-X**		
1.2.	Relevant identified uses of the substance or mixture and uses advised against			ture and uses advised against	
	Uses:		For use wit	h special staining kits in histopathology.	
	Uses advised against:		Only the id	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	r of the safety	y data sheet		
	Supplier:	E	BioGnost Ltd.		
	Address:	١	Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	•	-	1303 1 27033.	97	
	Fax no.:		+385 1 240403		
	•	-		39	
	Fax no.:	-	+385 1 240403 msds@biogno	39	
1.4.	Fax no.: e-mail of competent	person: r	+385 1 240403 msds@biogno	39	
1.4.	Fax no.: e-mail of competent National contact:	person: r	+385 1 240403 msds@biogno	39	
1.4.	Fax no.: e-mail of competent National contact: Emergency telephone	person: r	+385 1 240403 msds@biogno	39 ust.hr	

SECTIO	ON 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	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous subst	tance.	-			
2.1.2.	Additional information					
	_					
*For fu	ll text of Hazard- and EU Hazard-sta	atements: see S	Section 16			
2.2.	Label elements					
	Product identification:	HCL REAGEN	NT, ALCIAN BLUE			
	Identification number: -					
	Authorization no.:					
	Hazard pictograms:	-				



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Trading name:	HCL REAGENT, ALCIAN BLUE				
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version:	3

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

SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
7647-01-0/ 231-595-7/ 017-002-00-2	-	0.7 - 1 %	hydrochloric acid	Skin Corr. 1B; H314 STOT SE 3; H335	

SECTIO	ON 4. First aid measures			
4.1.	Description of first aid measures			
	General notes:	-		
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.		
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.		
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.		
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.		
	Self-protection of the first aid	er: Treat symptomatically.		
4.2.	Most important symptoms ar	nd effects, both acute and delayed		
	Following inhalation:	No information available		
	Following skin contact:	No information available		
	Following eye contact:	No information available		



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Trading name:	HCL REAGENT, ALCIAN BLUE						
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3			

	Following ingestion: No information available
4.3.	Indication of any immediate medical attention and special treatment needed
	-

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

SECTIO	ECTION 6. Accidental release measures					
6.1.	Personal precautions, protective	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel					
	Protective equipment:	Use personal protective equipment (see Section 8).				
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.				
	Emergency procedures: Mark the area using proper signs.					
6.1.2.	For emergency responders:					
	Wear protective equipment (see Section 8).					
6.2.	Environmental precautions:	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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Trading name:	HCL REAGENT, ALCIAN BLUE						
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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 information about containment.				

SECTIO	TION 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: Se	ecure proper ventilation.				
	Measures to protect the environment:		revent spilling into the sewage system and aterways.				
	Other measures:	-					
7.1.2.	Advice on general occupational hygiene:						
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.						
7.2.	Conditions for safe storage, including any incompatibilities						
	Technical measures and storage conditions:	ventila	n tightly closed and upright set containers in a well ted storage rooms, and away from sources of heat, nt, and other incompatible substances.				
	Packaging materials:	Manufa	acturer's original packaging.				
	Requirements for storage rooms and vessels:	Keep a tightly	way from food and drink. Keep the containers 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:	and do	place the unused material in the storage room not use empty containers for storing other cals. Do not store with incompatible materials (see n 9).				
7.3.	Specific end use(s)						



Inhalation Dermal

Soil (agricultural)

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

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Trading name:	HCL REAGENT, ALCIAN BLUE							
Product code:	HCLAE	3-OT-X**	Date	of compilation	: 14 Novem	ber 2022	Version:	3
Recomm	endations	:		-				
Industria	l sector sp	ecific solution	ns:	-				
SECTION 8. Expo	sure cont	rols/persona	al protec	tion				
8.1. Control p	parameters	S						
Substanc	e	CAS I	No	Occupational o		Biolog	gical limit valu	ıes
				ppm	mg/m³	No information available		
-		-		-	-			
Substance - name:								
EC No: -		CAS No:	-					
DNEL								
			_	Industrial	1			
Route of exposure	e: ef	Acute fect local	effe	Acute ect systemic	Chron effect lo		Chroni effect syste	
Oral	-		-		-	-		
Inhalation	-		-		-	-		
Dermal	-		-		-	-		
Critical physical pa	arameters:	solubility, fla	mmabili	ty, corrosivity:	-			
				Consumer				
Route of exposure	ef	Acute fect local	effe	Acute ect systemic	Chron effect lo		Chroni effect syste	
Oral	_		-		-	-		

PNEC					
Environmental protection target	PNEC				
Fresh water	No information available				
Freshwater sediments	No information available				
Marine water	No information available				
Marine sediments	No information available				
Food chain	No information available				
Microorganisms in sewage treatment	No information available				

No information available



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Trading name:	HCL REAGENT, ALCIAN BLUE						
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3			

Air			No information available			
8.2.	Exposure controls					
8.2.1.	Appropriate engineering controls					
Substance/mixture related measures to prevent exposure during identified uses:			Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
	Structural measures to pr exposure:	event	No information available			
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prexposure:	event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.			
8.2.2.	Personal protection equip	oment				
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) visor.				
8.2.2.2.	Skin protection					
			ective gloves must be according to the EU Directive 2016/425/EEC and dard EN 374.			
	Hand protection:		Glove material: nitrile rubber			
			Glove thickness: ≥0.50 mm Break through time: >480 min			
	Other skin protection:		es (EN 13034), and shoes that cover the entire foot (EN 10335).			
8.2.2.3.	Respiratory protection:	filter fo	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN) used when concentration levels exceed GVI.			
8.2.2.4.	Thermal hazards:	No inf	ormation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture relate measures to prevent expe		See Section 6			
	Structural measures to prexposure:	event	Use modern equipment.			
	Organisational measures to prevent exposure:		Adapt the work process to the required working conditions of the workplace.			
	Technical measures to prevent exposure:		See Section 6			

SECTION 9. Physical and chemical properties



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Trading name:	HCL REAGENT, ALCIAN BLUE						
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3			

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

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

SECTIO	ON 11. Toxicological information
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008



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Trading name:		HCL REAGENT	, ALCIAN BLUE	
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3

Acute toxi	city:					
Route of exposure:	Method	Species	Effective Dose LD_{50}/LC_{50} or $ATE_{mixture}$	Exposure t	ime	Results
Oral exposure:	No information available	-	LD ₅₀	-		-
Dermal exposure:	No information available	-	LD ₅₀	-		-
Inhalation exposure:	No information available	-	LC ₅₀	-		-
Specific ta	rget organ toxicity – si	ingle exposure (STOT SE):			
	Specif	ic effects	Target	organ		Note
Oral exposure:	No information	available	No information	on available	-	
Dermal exposure:	No information	available	No information	on available	-	
				No information available -		
Inhalation exposure	e: No information	available	No information	on available	-	
Inhalation exposure Aspiration	1		No information	on available	_	
Aspiration	hazard:			on available	_	
Aspiration	hazard: nd corrosion:	No info	mation available			Note
Aspiration Irritation a	hazard: nd corrosion: Exposure time	No info	rmation available Evaluation	Method		Note
Aspiration Irritation a Skin irritation:	hazard: nd corrosion: Exposure time	No info	mation available			Note
Aspiration Irritation a	hazard: nd corrosion: Exposure time	No info	rmation available Evaluation -	Method 		Note
Aspiration Irritation a Skin irritation:	hazard: nd corrosion: Exposure time	No info	rmation available Evaluation -	Method 		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization	hazard: nd corrosion: Exposure time	Species -	rmation available Evaluation -	Method 		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization	hazard: nd corrosion: Exposure time - -	Species	rmation available Evaluation -	Method 		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time - - On No information avail No information avail	Species lable	Evaluation -	Method		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms	hazard: nd corrosion: Exposure time - - No information avail	Species lable lable	Evaluation -	Method		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure: Symptoms Oral exposure:	hazard: nd corrosion: Exposure time - - No information avail No information avail	Species	Evaluation -	Method		Note
Aspiration Irritation a Skin irritation: Eye irritation: Sensitization Dermal exposure: Inhalation exposure:	hazard: nd corrosion: Exposure time On No information avail No information avail related to the physica No information avail No information avail	Species lable lable al, chemical and vailable vailable	Evaluation -	Method		Note



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Trading name:		HCL REAGENT	, ALCIAN BLUE	_
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3

	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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Trading name:		HCL REAGENT	, ALCIAN BLUE	
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Chronic inhalation No informat		tion available	No information available	-					
	CMR effects (carcinogenicity	; mutagenicity; repr	oductive toxicity)					
	Carcinogenici	ity:	Based on availa	ble data, the classification criteria a	re not met.				
	Mutagenicity	in-vitro:	Based on availa	ble data, the classification criteria a	re not met.				
	Genotoxicity:		Based on availa	ble data, the classification criteria a	ire not met.				
	Mutagenicity	in-vivo:	Based on availa	Based on available data, the classification criteria are not met.					
	Germ cell mu	tagenicity:	Based on availa	ble data, the classification criteria a	ire not met.				
	Reproductive	toxicity:	Based on availa	ble data, the classification criteria a	ire not met.				
	Summary of e	evaluation of th	e CMR properties:	-					
11.2.	Information o	on other hazard	S:						
11.2.1.	Endocrine dis	rupting proper	ties:						
	No known en	docrine disrup	ting properties that	affect human health.					
11.2.2.	Other informa	ations:							
	-								

SECTION 12. Ecological information

Toxicity

12.1.

Exposure Acute toxicity Dose **Species** Method Evaluation Note time No information No information Fish LC_{50} 96 hours available available No information No information Crustacea: EC_{50} 48 hours available available No information No information 0 4246

Algae/aquatic plants	IC ₅₀	8 days	available	available	-	-
Microorganisms	LC ₅₀	72 hours	-	-	-	-
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 nam	e:	HCL REAGENT, ALCIAN BLUE									
Product code: HCLAB-OT-X**				Date of compilation: 14 November			4 November	er 2022 Version:		sion:	3
Algae/aquatic plar		ts IC ₅₀ 72 hour		rs	'C		avallania :		o formation - ailable		
Other organis	ms	-	-		-	-		-		-	
12.2. Persis	stence a	and degradal	oility								
Abiot	tic degr	adation		1			ì				
	Deg	gradation ha	lf-lives		Method		Ev	aluation			Note
Marine water	No in	formation av	ailable	No	information availa	able	No informat	tion avail	able	-	
Fresh water	No in	formation av	ailable	No	information availa	able	No informat	tion avail	able	-	
Air	No in	formation av	ailable	No	information availa	able	No informat	tion avail	able	-	
Soil	No in	formation av	ailable	No	information availa	able	No informat	tion avail	able	_	
No informatio available 12.3. Bioac	ava	informailable		No ir	nformation able		o information vailable		o inform ailable	nation	
Octa	nol-wat	er partition o	coefficient	t (log	Kow)		¥	1			
Value		entration	рН	°C			Evaluati			Note	ı
_	No ir availabl	nformation e		-	No information	on	No informat available	tion	_		
Bioco	oncentra	ation factor (BCF)								
Value		Speci	es		Method		Evaluation			Note	
No informatio available		·			No information		No information available		No information available		1
	nic ecot										



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Trading name:		HCL REAGENT	, ALCIAN BLUE	
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3

Produ	ct code:	HCLA	AB-OT-X**	Date of co	mpila	ation:	14 No	vember	· 2022	Vers	ion: 3
	Value		Dose	Exposure time	Spe	ecies	Met	thod	Evaluat	tion	Note
Chroni	c toxicity o	n fish	LC ₅₀	information	No inforn availa	nation Ible	No informa availab		No information available	on	-
	c toxicity o cea (<i>Daphn</i>		EC ₅₀	information	No inforn availa	nation Ible	No informa availab		No information available	on	-
12.4.	Mobility	in soil									
	Known o	r predict	ed distributi	on in environme	ental c	ompart	ments:				
	No infor	mation a	vailable								
	Surface t	ension:									
	Value)	°C	Concentrati	ion		Metho	od		No	ote
	No informat available		o formation railable	No information	on	No info	ormation ble	n	-		
Transp	ort	on / desc A/D coe Henry's c	fficient	log Kow	Ev	raporatio	on rate	M	ethod		Note
Soil-wa	nter No avai	iı lable	nformation	No information available		o inform ailable	ation	No info	ormation ole	-	
Water-	air No	iı lable	nformation	No informatior available		o inform ailable	ation	No info	ormation ole	-	
Soil-air	. No avai	lable	nformation	No information available		o inform ailable	ation	No info	ormation ole	-	
12.5.	Results o	f PBT an	d vPvB asses	ssment							
	No infor	mation a	vailable								
12.6.	Endocrin	e disrupt	ting properti	ies							
	No know	n endoc	rine disrupti	ng properties th	at affe	ect the e	environm	nent.			
12.7.	Other ac	lverse ef	fects								
			ts are expec								



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Trading name:		HCL REAGENT	, ALCIAN BLUE	
Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3

SECTION	N 13. Disposal considerat	ions		
13.1.	Waste treatment metho			
13.1.	Waste treatment metro			
13.1.1.	Product/Packaging disp	osal:		
	Submit for disposal to the Protection.	ne legal person authorized by the Ministry of Environmental and Nature		
13.1.2.	Waste codes/waste desi	gnations according to Law:		
	No information available			
13.1.3.	Waste treatment – relev	ant information:		
15.1.5.	No information available			
	NO INIOTHIALION available	-		
13.1.4.	Sewage disposal – relev	ant information:		
	Waste must not be disp	osed of into the sewage system.		
13.1.5.	Other disposal recomme	er disposal recommendations:		
	authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors try in charge. Do not dispose of the packaging into the sewage system. Submit llectors authorized by the ministry in charge. Do not dispose of in places where		
13.1.6.	Relevant Community pro	ovisions:		
	-			
	N 14. Transport informati			
<u>i</u>	Transporting/shipment by			
UN num		Not subject to transport regulations.		
	er shipping name:	-		
•	t hazard class(es):	-		
Packing				
	nentally hazardous:			
<u>i</u>	precautions for user:			
	Transporting/shipment by	rail (RID)		
UN num		Not subject to transport regulations.		



Trading name:

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

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Product code:	HCLAB-OT-X**	Date of compilation:	14 November 2022	Version: 3			
Transport hazard cl	ass(es):	-					
Packing group:		_					
Environmentally ha	zardous:	-					
Special precautions	for user:	-					
Inland wat	erway transport (ADI	٧)					
UN number:		Not subject to transport	regulations.				
UN proper shipping	g name:	-					
Transport hazard cl	ass(es):	-					
Packing group:		-					
Environmentally ha	zardous:	-					
Special precautions	for user:	-					
Transporting/shipment by sea		IMDG)					
UN number:		Not subject to transport regulations.					
UN proper shipping	g name:	-					
Transport hazard cl	ass(es):	-					
Packing group:		-					
Environmentally ha	zardous:	-					
Special precautions	for user:	-					
Transporti	ng/shipment by air (I	CAO-TI/IATA-DGR)					
UN number:		Not subject to transport	regulations.				
UN proper shipping	g name:	-					
Transport hazard class(es):		-					
Packing group:		-					
Environmentally hazardous:		-					
Special precautions for user:		-					
Further information	The product	s not subject to classification	n.				

SECTIO	ON 15. Regulatory infor	mation
15.1.	Safety, health and envi	ronmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or re	estrictions of use
	Authorizations:	-
	Restrictions:	-



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Ot	ther 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);
	formation according 1999/ uideline)	13/EC about limitation of emissions of volatile organic compounds (VOC-
Na	ational 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. Ch	nemical safety assessment	
No	one	

SECTIO	SECTION 16. Other information				
16.1.	Indication of changes:	-			
		PBT	Stable, bioaccumulative and toxic		
		vPvB	Strongly stable and strongly bioaccumulative.		
16.2.	Abbreviations and acronyms:	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 us 1272/2008 (CLP)		used to derive the	classification for mixture according to Regulation (EC)		
Classification CI		Classification pro	assification procedure		
		_			



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

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Trading name:		HCL REAGENT	, ALCIAN BLUE	
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16.5.	Relevant H statements (number and full text)		
	H: 314 Causes severe skin burns and eye damage. 335 May cause respiratory irritation.		
16.6.	Training advice:	-	
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX: Exposure scenario resulting to Chemical safety assessment
-



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Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT			ī
Product code:	KR-OT-X** Date of compilation:		14 November 2022	Version: 4

1.1.	Product identifier				
	Trade name:	NUCLEAR FA	ST RED (K	(ERNECHTROT) REAGENT	
	Chemical name:	_			
	Catalogue number:	KR-OT-X**			
1.2.	Relevant identified uses	of the substa	nce or mi	xture and uses advised against	
	Uses:		Counte	erstain in many special staining kits.	
	Uses advised against:			Only the identified uses are advised.	
	Reason why uses advised against:			oduct is intended for use only as an <i>in vitro</i> diagnostic al device and there is no reason to use it for other ses.	
1.3.	Details of the supplier of the safety data sheet				
	Supplier: BioG		Gnost Ltd	nost Ltd.	
	Address: Med		ljugorska 59, Zagreb		
	Telephone number: +38!		5 1 2409997		
	Telefax: +385		5 1 2404039		
	e-mail of competent person: msds		ls@biogn	<u>@biognost.hr</u>	
	National contact: -				
1.4.	Emergency telephone number				
	National Protection and Rescue Director		torate:	112	
		Medical information:			
	Medical information:			+385 1 2348 342	

SECTIO	SECTION 2. Hazards identification			
2.1.	Classification of the substance or mixture			
2.1.1.	Classification according to Regula	tion (EC) No 127	2/2008 (CLP)	
	Hazard class and category	y code:	Hazard statement*:	
	Not identified as hazardous subst	ance.	-	
2.1.2.	Additional information			
	-			
* For fu	ll text of Hazard- and EU Hazard-sta	atements: see SE	CTION 16	
2.2.	Label elements			
	Product identification:	NUCLEAR FAST	RED (KERNECHTROT) REAGENT	
	Identification number:	-		
	Authorisation number:	-		
	Hazard pictograms:	-		



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Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT			<u></u> г
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

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

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)		
6409-77-4/ 229-088-0/ -	-	≤ 1%	Disodium 1-amino-2,4-dihydroxy-9,10-dihydro-9,10-dioxoanthracene-3-sulphonate	Skin Irr. 2; H315 Eye Irr. 2; H319 STOT SE; H335		

SECTI	TION 4. First aid measures		
4.1.	Description of first aid meas	ures	
	General notes:	-	
	Following inhalation:	Remove person to fresh air. If breathing stops, immediately apply artificial respiration. If breathing difficulties occur, use emergency breathing apparatus. If the symptoms persist, immediately consult a physician.	
	Following skin contact:	Remove all contaminated clothes using sterile gauze. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Do not induce vomiting. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.	
	Self-protection of the first aider:	-	
4.2.	Most important symptoms a	and effects, both acute and delayed	
	Following inhalation:	No information available	
	Following skin contact:	No information available	
	Following eye contact:	No information available	
	Following ingestion:	No information available	



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Trade name:	NUCLEAR FAST RED (KERNECHTROT) REAGENT			7
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4

4.3.	Indication of any immediate medical attention and special treatment needed
	No information available

SECTIO	SECTION 5. Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media:		Water, CO ₂ , foam, dry powder	
	Unsuitable extinguishing medi	a:	No information available	
5.2.	Special hazards arising from th	ie substa	ance or mixture	
	Hazardous combustion products:	No information available.		
5.3.	Advice for firefighters			
	Firefighters must always use fireproof suit and self-sustaining breathing apparatus with open circle that contains pressurized air in case of fire in closed space.			
5.4.	Additional information			
	Prevent spills and water used for putting out fire from contaminating waterways by enclosing and covering drains.			

SECTIO	ON 6. Accidental release measures			
6.1.	Personal precautions, protective equipment and emergency procedures			
6.1.1.	For non-emergency personnel			
	Protective equipment:	Use protective equipment in accordance with Section 8. Do not get in eyes or on skin. Do not inhale vapor/aerosols. Remove the persons not directly involved in rescuing procedure from the scene of event.		
	Accident prevention methods:	Keep away from heat, flames and sparks. Secure proper ventilation. Prevent electrostatic charge buildup. Use only grounded devices and equipment. Do not release in drains - explosion hazard.		
	Emergency procedures:	In case of accident secure the location and evacuate the personnel not involved in recovery.		
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 N Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material for containn	nent and cleaning up		



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Trade name:				
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6.3.1.	Bunding, covering of drains; capping procedures:	Sand bags.		
6.3.2.	Cleaning up:	Where possible, soak up the product using inert matter, such as sand, silica gel, saw dust). 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:	Recovery of contaminated area should only be conducted by qualified person that uses stipulated protective equipment. Prevent the waste water from entering waterways.		
6.4.	Reference to other sections			
	See Section 7 for information about secure handling.			
	See Section 8 for information about personal protective equipment.			
	See Section 13 for info	See Section 13 for information about containment.		

SECTIO	SECTION 7. Handling and storage						
7.1.	Precautions for safe handling						
7.1.1.	Protective measures						
	Measures to prevent fire:	Keep away from heat, flames and sparks. Secure proper ventilation.					
	Measures to prevent aerosol and dust generation	Adequate ventilation of the rooms where the product is kept and handled. Containers must be firmly closed.					
	Measures to protect the environment:	Keep the containers firmly closed in vertical position when the product is not used. Prevent the product from entering waterways, sewerage and drainage systems by using barrage and semi-barrage made of sand, as well as covering the drainage by using plastic foil.					
	Other measures:	-					
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 incor	patibilities					
	Technical measures and storage conditions:	In dry, cold and well-ventilated space. Containers must be firmly closed. Maintain adequate ventilation of the rooms where the product is kept and handled.					
	Packaging materials:	Manufacturer's original packaging.					



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	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	Advices for storage equipment:	Keep away from heat, flames, sparks and sunlight.
	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:	Secure stations for rinsing eyes and showering in the vicinity of work area.
	Industrial sector specific solutions:	-

, K	Recommendations.				vicinity of work area.		
In	dustrial sec	ctor specific solutio	ons:	-			
SECTION 8	3. Exposure	e controls/person	al protec	tion			
8.1. Co	ontrol para	meters					
Sı	ıbstance	CAS	No		exposure limit t term values	Biological limit values	
				ppm	mg/m³		
-		-		-	-	-	
Substance name:	_				_		
EC No:	-	CAS No:	-				
DNEL							
				Industrial			
Route of e	xposure:	Acute effect local		cute effect systemic	Chronic e local		
Oral		- IOCai	-	systemic .	- IOCal	- systemic	
Inhalation		_	-		- -	- - - - - - - - - -	
Dermal		-	-		-	-	
	rsical paran	ı neters: solubility, fla	<u> </u>	v, corrosivity:			
				Consumer			
Route of e	xposure:	Acute effect local		cute effect systemic	Chronic e		
Oral		-	-		-	-	
Inhalation		-	-		-	-	
Dermal		-	-		-	-	
PNEC							



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Environm	ental protection target		PNEC	
Fresh wat	er		No information available	
Freshwater sediments			No information available	
Marine water			No information available	
Marine se	ediments		No information available	
Food chai	in		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 control	S		
	magelinae to brovant avboelina		product in well ventilated rooms. Use personal protective ent. Do not eat, drink or smoke in the workspace.	
	Structural measures to prevent exposure:	In accor	cordance with Section 7.	
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influend during work process.		
	Technical measures to prevent exposure:		proper workspace ventilation in order to keep tration levels in air below permitted levels.	
8.2.2.	Personal protection equipment			
8.2.2.1.	Eye and face protection:	levels o	plasses that stick to face (EN 166) or visor in case of lower f concentration in air; protective gas mask that covers the ace in case of higher levels of concentration in air.	
8.2.2.2.	Skin protection			
			ive gloves must be according to the EU Directive 25/EEC and standard EN 374.	
	Hand protection:		Glove material: nitrile rubber	
			Glove thickness: ≥0.50 mm	
			Break through time: >480 min	
	Other skin protection:		ntistatic clothing made of natural fibers (such as cotton) ng sleeves (EN 13034), and shoes that cover the entire foot (35).	
8.2.2.3.	Respiratory protection:	Suitable mask or half mask equipped with a combined "A-P" filter and used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No info	rmation available	
8.2.3.	Environmental exposure controls			



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

	Information on basic physical ar	d chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	red	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		

SECTION 10.: Stability and reactivity



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Trade name:		г		
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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 Toxico	ological information						
	n on toxicological effe	cts					
Acute toxic	ity:						
Route of exposure:	Method	Species	LD ₅₀ ,	ive dose /LC ₅₀ or E _{mixture}	Exposur	e time	Results
Oral:	No information available	_	No info availabl		No information available		_
Dermal:	No information available	-	No info availabl		No infor		-
Inhalation:	No information available	-	No info availabl		No infor		-
Specific tar	get organ toxicity – si Specific		(STOT SE):	Target orga	ın		Note
	•						Note
Oral:	No information avail			No information available -			
Dermal:	No information avail		No information available -				
Inhalation:	No information avail	able	No information available -				
Aspiration	hazard:	-					
Irritation ar	nd corrosion						
	Exposure tin	ne Sp	ecies	Evaluation	Me	ethod	Note
Skin corrosion/irritation:	-	-	-	-	-		No information available
Serious eye damage/irritation	-	-	-	-	-		No information available



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<u> </u>								
Sensitiza								
Dermal exposure	: No informatio	n available						
Inhalation exposure:	No informatio	n available						
Sympto	ms related to the p	hysical, chemic	al and toxicolog	ical characteristi	CS			
Oral exposure: No information available								
Dermal exposure	: No informatio	n available						
Inhalation exposure:	No informatio	n available						
Eye exposure:	No informatio	n available						
Repeate	ed dose toxicity (su		onic, chronic)					
	Dose	Exposure time	Species	Method	Evaluation	Note		
Subacute oral	No information available	No information available	No information available	No information available	No information available	-		
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-		
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-		
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-		
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-		
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-		
Chronic oral	No information available	No information available	No information available	No information available	No information available	_		
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-		



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Trade name:		NUCLEAR	R FAST RED (KERNECHTROT) REAGENT	_		
Product code:	duct code: KR-OT-X** Date of com		pilation: 14 November 2022		2022	Version: 4		
Chronic inhalation	No information available	No No information available available		No No information information available available		on -		
Specific	target organ toxic	city – repeated e	exposure (STOT	RE):				
		Specific effects		Target orga	n	Note		
Subacute oral	No info	rmation availabl	e No i	nformation availa	ble	-		
Subacute derma	l No info	rmation availabl	e No i	nformation availa	ble	-		
Subacute inhalat	ion No info	rmation availabl	e No i	nformation availa	ble	-		
Subchronic oral	No info	rmation availabl	e No i	nformation availa	ble	-		
Subchronic derm	nal No info	rmation availabl	e No i	nformation availa	ble	-		
Subchronic inhal	ation No info	rmation availabl	e No i	o information available		-		
Chronic oral	No info	rmation available No ir		information available		-		
Chronic dermal	No info	rmation availabl	e No i	nformation availa	ble	-		
Chronic inhalation	on No info	rmation availabl	e No i	nformation availa	ble	-		
:								
CMR ef	fects (carcinogenio	ity; mutagenicit	y; reproductive	toxicity)				
Carcino	genicity:		No information available					
Mutage	enicity <i>in-vitro</i> :		No information available					
Genoto	xicity:		No information available					
Mutage	enicity <i>in-vivo</i> :		No information available					
Germ c	ell mutagenicity:		No information available					
Reprod	uctive toxicity:		No information available					
Summa propert	ry of evaluation ies:	of the CMR	No informati	on available				
11.2. Informa	ation on other haza	ards:						
11.2.1. Endocri	ne disrupting prop	perties:						
	No known endocrine disrupting properties that affect human health.							
11.2.2. Other is	nformations:		•					
-								

SECTION 12. General notes	SE	CTIO	N 12.	General	notes
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12.1. Toxicity



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Trade name:		NUCLEAR FAST RED (KERNECHTROT) REAGENT						
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Acute (short-teritoxicity	m)	Dose	Exposure time	Species	Method	Eval	uation	N	ote
Fish		LC ₅₀	96 hours	No information available	-	No inforr available	mation	-	
Crustacea:		EC ₅₀	48 hours	No information available	-	No inforr available	nation	-	
Algae/aquatic pl	ants	IC ₅₀	72 hours	No information available	-	No inforr available	nation	_	
Other organisms	5	-	_	-	-	-		-	
Chronic (long-te toxicity	rm)	Dose	Exposure time	Species	Method	Eval	uation	N	ote
Fish		LC ₅₀	96 hours	No information available	-	No inforr available	nation	-	
Crustacea:		EC ₅₀	48 hours	No information available	-	No inforr available	mation	-	
Algae/aquatic plants IC		IC ₅₀	72 hours	No information available	-	No inforr available			
Other organisms -			-	-	-	-		-	
12.2. Persiste Abiotic	degra								
	De	egradation h	alf-lives	Method		E۱	<i>r</i> aluation		Note
Marine water	No ir	nformation a	vailable	No information av	No information available		No information available		-
Fresh water	No ir	nformation a	vailable	No information av	ailable	No information available		e	-
Air	No ir	nformation a	vailable	No information av	No information available No in		lo information available		-
Soil	No ir	nformation a	vailable	No information av	railable	No informa	ation availabl	e	-
Biodegi	radatio	on							
% Degradation		Time (days	()	Method	Eva	luation	N	ote	
No information No			nation	information availab	le No ii	nformation le	No informavailable		mation
12.3. Bioaccu	ımulat	ive potential							
Octano	l-wate	er partition co	pefficient (lo	g Kow)					
Value	Conce	entration	рН	°C Method	E	valuation	1	Note	



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No informa available		No availa	inform able	ation ₋		- N	o in vailab	formation le	No availa	informa ble	ation	No ii available	nformation
		ncentr	ration f	actor (BCF)								
	Value Species No information available available		ormation		M No infor available		on N				No No informat available		
	Chron	ic eco	otoxicity	<i></i>									
	Valu			Dose		posure time	3	Species	Me	ethod	E	valuation	Note
Chronic toxicity on fish LC		LC ₅₀	No information available			rmation ilable			No information available		-		
	Chronic toxicity on crustacea (Daphnia)		EC ₅₀	No infor availa	rmation information available			No inforn availa	nation ble	No information - available			
12.4.	Mobil	ity in s	soil										
		······································			ion in e	environme	ntal c	compartme	ents:				
			tion av	ailable									
	Surfac		sion:	0.0					ا داعم ۸			ъ.,	
	No Va	lue	No	°C		oncentrati			Method			Note	
	information inf		info	ormation iilable		informati ailable	on	No inforr available	nation		-		
	<u> </u>										<u> </u>		
	Adsor	ption	/ deso	rption									
Transpo		Α/	'D coef	•	lo	og Kow	Εν	/aporation	rate	Meth	nod	ſ	Note



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					ı						
Soil-wat	t∆r :	No Ivailable	information	No information available	No information available	No information available	-				
Water-a	air No information No information No information available available available		No information available	-							
Soil-air	ir No information available			No information available	No information available	No information available	-				
12.5.	Results	s of PBT a	and vPvB asses	sment							
	No info	ormation	available								
12.6.	Endocı	rine disru	pting properti	es							
	No kno	own endo	ocrine disrupti	ng properties that	affect the environm	nent.					
	:										
12.7.	Other	Other adverse effects									
	No info	ormation	available								
SECTIO	N 13. D	Disposal c	onsideration	5							
13.1.	Wast	te treatm	ent methods								
13.1.1.			aging disposal								
		mit for dis ection.	sposal to the le	egal person autho	rized by the Ministry	y of Environmental a	and Nature				
	FIOR	ection.									
13.1.2.	Wast	te codes/	waste designa	tions according to	Low:						
		11 10*: pac stances	ckaging that co	ontains residual h	azardous substances	s or is contaminated	l with hazardous				
13.1.3.	Wast	te treatm	ent – relevant	information:							
	No ii	nformatio	on available								
13.1.4.	Sewa	age dispo	sal – relevant	information:							
	Wast	te must n	ot be dispose	d of into the sewa	ge system.						
13.1.5.	Othe	er disposa	l recommenda	ations:							



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	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.			
13.1.6.	Relevant Community prov	visions:		
		gement Act, Ordinance on Waste Management, Regulation on categories, f waste with waste catalog and list of hazardous waste		
SECTION	N 14. Transport informatio	on		
	Transporting/shipment by r			
UN num		Not subject to transport regulations		
UN prop	er shipping name:	-		
	rt hazard class(es):	-		
Packing		-		
-	nental hazards:	-		
Special precautions for user:		-		
	Transporting/shipment by r	rail (RID)		
UN number:		Not subject to transport regulations		
UN prop	er shipping name:	-		
	rt hazard class(es):	-		
Packing	group:	-		
Environn	nental hazards:	-		
Special p	precautions for user:	-		
	Transporting/shipment by i	nland waterways (ADN)		
UN num	ber:	Not subject to transport regulations		
UN proper shipping name:		-		
Transpor	t hazard class(es):	-		
Packing	group:	-		
Environn	nental hazards:	-		
Special p	precautions for user:	-		
	Transporting/shipment by s	sea (IMDG)		
UN num	ber:	Not subject to transport regulations		
UN prop	er shipping name:	-		
Transpor	t hazard class(es):	-		
Packing	group:	-		
Environn	nental hazards:	Not subject to transport regulations		



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Special precautions for user:	-			
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-			
Transporting/shipment by air (ICAO-TI/IATA-DGR)				
UN number:	Not subject to transport regulations			
UN proper shipping name:	-			
Transport hazard class(es):	-			
Packing group:	-			
Environmental hazards:	-			
Special precautions for user:	-			
Further information: -				

15.1.	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorisations and/or res	trictions of 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 793/9: and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 10 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVIII);



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

SECTIO	ON 16	6. Other information			
16.1.	Indi	ication of changes:	-		
16.2.	Key literature references		ADR: Accord relatif au transport international des marchandises dangereuses route (European Agreement Concerning the International Carriage of Danger Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:		-		
16.4.		ssification and procedure 2/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classification		1	Classification procedure		
-			-		
16.5.	Rele	evant H statements (numl	per and full text)		
		H315	Causes skin irritation.		
	H:	H319	Causes serious eye irritation.		
		H335	May cause respiratory irritation.		
16.6.	Trai	ining advice:	-		
			** "X" in the product code marks different volumes (different packagings of the product)		
16.7.	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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