

SUDAN BLACK B LIPID KIT

The kit contains:

Sudan Black B, solution
Propylene glycol
Propylene glycol (85%)
Nuclear Fast Red (Kernechtrot) reagen



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Trade name:	SUDAN BLACK B, SOLUTION						
Product code:	SBO-OT-X** Date of compilation:	14 November 2022	Version: 4				

SECTION	ON 1. Identification of t	he substa	nce/mix	xture a	nd of the company/undertaking		
1.1.	Product identifier		SUDAN BLACK B, SOLUTION				
	Trade name:	SUDAN					
	Chemical name:	-	-				
	Catalogue number:	SBO-OT	-X**				
1.2.	Relevant identified use	es of the su	ubstance	e or mix	cture and uses advised against		
	Uses:			For sta	ining lipids, used with Sudan Black B lipid kit.		
	Uses advised against:		(Only th	ne identified uses are advised.		
	Reason why uses advis	sed agains	The product is intended for use only as an <i>in vitro</i> diagnost medical device and there is no reason to use it for other purposes.				
1.3.	Details of the supplier	of the safe	ety data	sheet			
	Supplier:	BioGr		ost Ltd.			
	Address:		Medju	gorska	59, Zagreb		
	Telephone number:		+385 1	1 24099	997		
	Telefax:		+385 1	1 24040	39		
	e-mail of competent p	erson:	msds@	<u>biogn</u>	<u>ost.hr</u>		
	National contact:		-				
1.4.	Emergency telephone	number					
	National Protection an	ion and Rescue Direct			112		
	Medical information:	:			+385 1 2348 342		
	Other information:				-		

SECTIO	ECTION 2. Hazards identification					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification according to Regula	ation (EC) No 127	72/2008 (CLP)			
	Hazard class and categor	ry code:		Hazard statement*:		
	Not identified as hazardous subs	tance.	-			
2.1.2.	Additional information					
	-	-				
* For fu	ıll text of Hazard- and EU Hazard-st	tatements: see SE	CTION 16			
2.2.	Label elements					
	Product identification:	SUDAN BLACK	B, SOLUTION			
	Identification number: -					
	Authorisation number: -					
	Hazard pictograms:	-				



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	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)	
-	-	-	Contains no hazardous substances	-	

SECTI	ON 4. First aid measures						
4.1.	Description of first aid measures						
	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					
4.3.	Indication of any immediate	medical attention and special treatment needed					



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No information available

SECTI	ON 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	nce 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	ION 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 National Protection and Rescue Directorate (NPRD) on 112.					
6.3.	Methods and material for containm	nent and cleaning up				



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

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8.1. Control para		l protect	tion			
Substance		CAS No		exposure limit t term values	Biological limit values	
			ppm	mg/m³	J	
-	-		-	-	-	
Substance - name:						
EC No: -	CAS No:	_				
DNEL						
			Industrial			
Route of exposure:	Acute effect local		cute effect systemic	Chronic ef local	fect Chronic effect systemic	
Oral	-	-		-	-	
Inhalation	-	-		-	-	
Dermal	-	-		-	-	
Critical physical paran	neters: solubility, fla	mmabilit	y, corrosivity:		·	
			Consumer	·		
Route of exposure:	Acute effect local		cute effect systemic	Chronic ef	fect Chronic effect systemic	
Oral	1	-		-	-	
Inhalation	-	-		-	-	
Dermal	-	-		-	-	
PNEC						



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Environm	nental protection target		PNEC
Fresh wat	ter		No information available
Freshwater sediments			No information available
Marine w	rater		No information available
Marine se	ediments		No information available
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 control	s	
	Substance/mixture related measures to prevent exposure during identified uses:	Use the product in well ventilated rooms. Use personal protect equipment. Do not eat, drink or smoke in the workspace.	
	Structural measures to prevent exposure:	In accordance with Section 7.	
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influer 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
			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 information available	
8.2.3.	Environmental exposure controls	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 and chemical properties				
		Value	Method		
	Physical state:	liquid	No information available		
	Colour:	black	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 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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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 ₅	ctive dose ₅₀ /LC ₅₀ or TE _{mixture}	Exposur	re time	Results
Oral:	No information available	_	No inf availat	ormation ole	No infor availa		_
Dermal:	No information available	_	No inf availat	ormation ole	No infor availa		_
Inhalation:	No information available	-	No inf availat	ormation ble	No information available		-
Specific tar	get organ toxicity – si Specific		(STOT SE):	Target orga	an		Note
Oral:	No information avail		No ir	No information available -			Note
Dermal:	No information avail			No information available -			
Inhalation:	No information avail					_	
Aspiration l	hazard:	-					
Irritation ar	nd corrosion						
mitation ai	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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Sensitiz	ation					
Dermal exposure	: No informatio	n available				
Inhalation exposure:	No informatio	n available				
Sympto	ms related to the p	physical chamic	al and tovicolog	ical characteristi	os.	
Oral exposure:	No informatio	<u> </u>	al and toxicolog	icai characteristi	CS	
Dermal exposure						
Inhalation exposure:	No informatio					
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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Chronic inhalation	intormation		information	No information available		No No information information available availab			-	
	1		:	:		3	3		-	
Specific	target o		ity – repeated e	xposure (S	STOT R					
	Specific effects					Target organ			Note	2
Subacute oral			mation available			ormation availal		-		
Subacute dermal			mation available			ormation availal		-		
Subacute inhalat	ion		mation available			ormation availal		-		
Subchronic oral			mation available			ormation availal		-		
Subchronic derm			mation available			ormation availal		-		
Subchronic inhal	inhalation No information available				No information available					
Chronic oral	al No information available				No inf	ormation availal	ble	-		
Chronic dermal	ronic dermal No information available			e I	No inf	ormation availal	ble	-		
Chronic inhalatio	nic inhalation No information available		e [No inf	ormation availal	ble	-			
1										
CMR ef	fects (car	cinogenici	ity; mutagenicity	y; reproduc	ctive t	oxicity)				
Carcino	genicity:			No infor	matio	n available				
Mutage	nicity <i>in-</i>	-vitro:		No infor	matio	n available				
Genoto	xicity:			No infor	matio	n available				
Mutage	nicity <i>in-</i>	-vivo:		No information available						
Germ ce	ell mutag	genicity:		No infor	matio	n available				
Reprod	uctive to	xicity:		No information available						
Summa propert	•	evaluation	of the CMR	No infor	matio	n available				
11.2. Informa	tion on o	other haza	rds:							
11.2.1. Endocri	ne disrup	oting prop	erties:							
No kno	wn endo	•	pting propertie	S						
11.2.2. Other in	nformatio	ons:								
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SECTION 12. General notes:

12.1. Toxicity



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Acute (short-terr toxicity	n)	Dose	Exposure time	Species	Method	Eval	uation	N	ote
Fish		LC ₅₀	96 hours	No information available	-	No inforr available		-	
Crustacea:		EC ₅₀	48 hours	No information available	-	No inforravailable		-	
Algae/aquatic pl	ants	IC ₅₀	72 hours	No information available	-	No inforravailable		-	
Other organisms	;	-	-	-	_	-		-	
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		-	
Crustacea:		EC ₅₀	48 hours	No information available	-	No inforr available		-	
Algae/aquatic pl	ants	IC ₅₀	72 hours	No information available	-	No information available		-	
Other organisms	Other organisms		-	-	-	-		-	
12.2. Persiste Abiotic		nd degradab adation	ility						
	D	egradation h	alf-lives	Method		Ev	valuation		Note
Marine water	No ir	nformation a	vailable	No information av	ailable	No inform	ation availab	le	-
Fresh water	No ir	nformation a	vailable	No information av	ailable	No informa	ation availab	le	-
Air	No ir	nformation a	vailable	No information av	ailable	No inform	ation availab	le	-
Soil	No ir	nformation a	vailable	No information av	vailable	No inform	ation availab	le	_
Biodegr	adatio	on.							
% Degradation		Time (days	s)	Method	Eva	lluation	N	lote	
No information No information		nation	information availab	No i	nformation	No informa		mation	
12.3. Bioaccu	mulat	tive potentia							
Octano	-wate	er partition co	pefficient (l	og Kow)					
Value	Conc	entration	рН	°C Method	E	valuation		Note	



Trade name:

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

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No informa available			informa ilable	ation -		_	No in	formatio le		o inform vailable	ation	No available	information
		-											
						<u> </u>							
	Bioco	ncen	tration f	actor (BC	F)								
Va	alue			Species		N	1ethod			Evaluation		N	ote
No infoi available	information No information available			No info availabl		n	No in availa	formation able		No informa available	ation		
								<u> </u>					
	Chro	nic ec	otoxicity	/									
	Valu	ıe		Dose		posure time	5	Species		Method	E	valuation	Note
Chronic	toxicit	ty on	fish	LC ₅₀		rmation able		rmation lable		o formation railable		ormation ilable	-
Chronic crustace		-)	EC ₅₀	No infor avail	rmation able		rmation lable	1	o formation railable		ormation ilable	-
			•		•		•				•		•
12.4.	Mobi	lity ir	soil										
	Know	n or	predicte	d distribu	ition in	environm	ental c	ompartn	nents:				
	No in	form	ation ava	ailable									
	Surfa	ce te	nsion:										
	V	alue		°C	C	Concentra	tion		Meth	nod		Not	е
	No inforr availa			ormation ilable		informat ailable	ion	No information - available					
	۸dso	rntic	n / desor	ntion									
Transpo		-	/D coeff	•	L	og Kow	Ev	aporatio	n rato	. Met	hod		Note
παπιδρύ	71 L	Н	enry's co	nstant	I.	og Row	EV	αρυιαιιο	ni iale	. iviet	iiou		INOLE



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er No in available	formation	No information available	No information available	No information available	-
No information available		No information available	No information available	No information available	-
		No information available	No information available	No information available	-
	-				
		ssment			
ino information av	allable				
Endocrine disrupti	na properti	es			
•			affect the environm	nent.	
	· ·	<u> </u>			
Other adverse effe	ects				
No information av	ailable				
N 13. Disposal con	sideration	s			
Waste treatment	t methods				
Droduct (Dackagi	na disposal				
			rized by the Ministr	y of Environmental a	and Nature
Waste codes/wa	ste designa	tions according to	o Low:		
				s or is contaminated	l with hazardous
		information:			
No information a	available				
Sewage disposal	l – relevant	information:			
-			ge system		
Traste mast mot					
	be dispose		<u> </u>		
	available No in available No in available Results of PBT and No information available Results of PBT and No information available No information available No information available No information available Product/Packagii Submit for disponent for	available No information available No information available Results of PBT and vPvB asses No information available Endocrine disrupting properti No known endocrine disruptin Other adverse effects No information available Vaste treatment methods Product/Packaging disposal Submit for disposal to the lead of the protection. Waste codes/waste designated to the lead of the protection. Waste codes/waste designated to the lead of the protection. Waste treatment — relevanted to the protection available Sewage disposal — relevanted to the protection available	available available No information available No information available No information available No information available Results of PBT and vPvB assessment No information available Endocrine disrupting properties No known endocrine disrupting properties that Other adverse effects No information available Nate treatment methods Product/Packaging disposal: Submit for disposal to the legal person autho Protection. Waste codes/waste designations according to 15 01 10*: packaging that contains residual has substances Waste treatment — relevant information: No information available Sewage disposal — relevant information:	available available available r No information available Results of PBT and vPvB assessment No information available Endocrine disrupting properties No known endocrine disrupting properties that affect the environm Other adverse effects No information available N 13. Disposal considerations Waste treatment methods Product/Packaging disposal: Submit for disposal to the legal person authorized by the Ministry Protection. Waste codes/waste designations according to Low: 15 01 10*: packaging that contains residual hazardous substances substances Waste treatment – relevant information: No information available	available available available available available available No information available available available No information available available No information available No information available No information available Results of PBT and vPvB assessment No information available Endocrine disrupting properties No known endocrine disrupting properties that affect the environment. Other adverse effects No information available V 13. Disposal considerations Waste treatment methods Product/Packaging disposal: Submit for disposal to the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of Environmental approachment of the legal person authorized by the Ministry of



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authorized by the ministry in	uct's remains into the sewage system. Submit the remains to the collectors in charge. Do not dispose of the packaging into the sewage system. Submit cors authorized by the ministry in charge. Do not dispose of in places where					
Relevant Community provisions:						
	ment Act, Ordinance on Waste Management, Regulation on categories, vaste with waste catalog and list of hazardous waste					
114 Transport information						
	LADD					
	Not subject to transport regulations					
	-					
	-					
nental hazards:	-					
recautions for user:	-					
Transporting/shipment by rail	(RID)					
per:	Not subject to transport regulations					
er shipping name:	-					
t hazard class(es):	-					
group:	-					
ental hazards:	-					
recautions for user:	-					
Transporting/shipment by inla	and waterways (ADN)					
per:	Not subject to transport regulations					
er shipping name:	-					
t hazard class(es):	-					
group:	-					
nental hazards:	-					
recautions for user:	-					
Transporting/shipment by sea	a (IMDG)					
per:	Not subject to transport regulations					
er shipping name:	-					
t hazard class(es):	-					
group:	-					
	Not subject to transport regulations					
	authorized by the ministry in the packaging to the collect ignition may occur. Relevant Community provis Sustainable Waste Manager types and classification of waste types and classification of waster: In the packaging to the collect ignition may occur. Relevant Community provis Sustainable Waste Manager types and classification of waster in the provided of th					



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Trade name:	SUDAN BLACK B, SOLUTION						
Product code:	SBO-OT-X**	Date of compilation:	14 November 2022	Version: 4			

Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (ICA	AO-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	strictions 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 (EC) 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 Apr 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 safet 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 11 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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Trade name:		SUDAN B	LACK B, SOLUTION	
Product code:	SBO-OT-X**	Date of compilation:	14 November 2022	Version: 4

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

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EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT

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Trade name:	PROPYLENE GLYCOL					
Product code:	PG-X**	Date of compilation:	14 November 2022	Version: 4		

SECTI	ON 1. Identification of the	ne substance,	/mixture a	and of the company/undertaking		
1.1.	Product identifier					
	Trade name:	PROPYLENE GLYCOL				
	Chemical name:	-				
	Catalogue number:	PG-X**				
1.2.	Relevant identified uses	s of the subst	ance or mi	xture and uses advised against		
	Uses:		For us	e with Sudan Black B Lipid kit.		
	Uses advised against:		Only tl	he identified uses are advised.		
	Reason why uses advise	ed against:		product is intended for use only as an <i>in vitro</i> diagnostic dical device and there is no reason to use it for other poses.		
1.3.	Details of the supplier of	Details of the supplier of the safety data sheet				
	Supplier:	Bio	Gnost Ltd			
	Address:	Me	edjugorska	jugorska 59, Zagreb		
	Telephone number: +385		85 1 2409	5 1 2409997		
	Telefax: +385		85 1 2404	5 1 2404039		
	e-mail of competent pe	erson: <u>ms</u>	ds@biogn	n <u>ost.hr</u>		
	National contact:	National contact: -				
1.4.	Emergency telephone r	number				
	National Protection and	d Rescue Dire	ctorate:	112		
	Medical information:			+385 1 2348 342		
	Medical information:			1303 1 23 10 3 12		

SECTIO	CTION 2. Hazards identification						
2.1.	Classification of the substance o	r mixture					
2.1.1.	Classification according to Regu	lation (EC) No 127	2/2008 (CLP)				
	Hazard class and catego	ory code:	Hazard statement*:				
	Not identified as hazardous sub	stance.	-				
2.1.2.	Additional information						
	_						
* For fu	ıll text of Hazard- and EU Hazard-s	tatements: see SE	CTION 16				
2.2.	Label elements						
	Product identification: PROPYLENE GLYCOL						
	Identification number: -						
	Authorisation number:	Authorisation number: -					
	Hazard pictograms:	-					



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Trade name:		PROP	YLENE GLYCOL	
Product code:	PG-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)		
-	-	_	Contains no hazardous substances	-		

SECTI	ON 4. First aid measures					
4.1.	Description of first aid measures					
	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 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				
4.3.	Indication of any immediate	medical attention and special treatment needed				



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Trade name:	PROPYLENE GLYCOL					
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No information available

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 the substance 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	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.				
	Keep away from heat, flames and sparks. Secure proper ventilation. Accident prevention methods: 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 Nation Protection and Rescue Directorate (NPRD) on 112.					
6.3.	Methods and material for containing	nent and cleaning up				



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Trade name:	PROPYLENE GLYCOL					
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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 involve 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	rmation about containment.				

SECTIO	ON 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. Thoroughly wash hands after work and before eating.					
7.2.	Conditions for safe storage, including any incom	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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Trade name:		PROPYLE	NE GLYCOL		
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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:	-

Industrial se	ector spe	cific solution	ns:	-				
SECTION 8. Exposui	e contro	ols/nersona	l protec	tion				
8.1. Control par		713, persona	protec					
Substance	CAS No		Occupational exposure limit values/short term values		Bi	Biological limit values		
				ppm	r	mg/m³		
-		-		-		-		-
Substance - name:								
EC No: -		CAS No:	-					
DNEL								
				Industrial				
Route of exposure:				cute effect systemic		Chronic effect local		Chronic effect systemic
Oral	-		-		-			-
Inhalation	-		-		-			-
Dermal	-	-			-			-
Critical physical para	meters: s	olubility, fla	mmabilit	y, corrosivity:				
				Consumer				
Route of exposure:		te effect local		cute effect systemic		Chronic et	ffect	Chronic effect systemic
Oral	-		-		-			-
Inhalation	-		-		-			-
Dermal	-		-		-			-
PNEC								



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Trade name:	PROPYLENE GLYCOL						
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Environm	ental protection target	PNEC			
Fresh wat	er	No information available			
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 control	5			
	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 prevent exposure:	In accordance with Section 7.			
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.			
	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 that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection				
		Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374.			
	Hand protection:	Glove material: nitrile rubber			
		Glove thickness: ≥0.50 mm			
		Break through time: >480 min			
	Other skin protection:	Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves (EN 13034), and shoes that cover the entire foot (EN 10335).			
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 information available			
8.2.3.	Environmental exposure controls				



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Trade name:	PROPYLENE GLYCOL						
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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

1.	Information on basic physical and chemical properties						
		Value	Method				
	Physical state:	liquid	No information available				
	Colour:	colourless	No information available				
	Odour/odour threshold:	No information available	No information available				
	Melting point / freezing point:	No information available	No information available				
	Boiling point or initial boiling point and boiling range:	No information available	No information available				
	Flammability:	No information available	No information available				
	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 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:	PROPYLENE GLYCOL						
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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	ctive dose ₅₀ /LC ₅₀ or TE _{mixture}	Exposur	re time	Results		
Oral:	No information available	_	No inf availat	ormation ole	No information available				_
Dermal:	No information available	_	No inf availat	ormation ole	No infor availa		_		
Inhalation:	No information available	-	No inf availat	ormation ole	No infor		_		
Specific tar	rget organ toxicity – single exposure (STOT SE): Specific effects Target organ						Note		
	•					Note			
Oral:	No information avail			nformation av		-			
Dermal:	No information avail			nformation av					
Inhalation:	No information avail	able	No ii	nformation av	/ailable	_			
Aspiration	hazard:	-							
Irritation ar	nd corrosion								
	Exposure tin	ne Sp	ecies	Evaluation	n Me	ethod	Note		
Skin corrosion/irritation:	-	-		-	-		No information available		
Serious eye damage/irritation	-	-		-	-		No information available		



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Sensitiza Dermal exposure		n availahla				
Inhalation exposure:	No informatio					
exposure.						
Sympto	ms related to the p	physical, chemic	al and toxicolog	ical characteristi	CS	
Oral exposure:	No informatio	<u> </u>				
Dermal exposure	: No informatio	n available				
Inhalation exposure:	No informatio	n available				
Eye exposure:	No informatio	n available				
Repeate	ed dose toxicity (su	bacute, subchro	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:	e: PROPYLENE GLYCOL									
Product code:	PG->	PG-X** Date of com		pilation:		No No information available available				4
Chronic No information available			No No information available available		on					
Specific	target o	rgan toxic	ity – repeated e	xposure (ST	OT R	E):				
			Specific effects			Target orga	n		No	te
Subacute oral		No infor	mation available	e N	lo info	ormation availal	ble	-		
Subacute derma		No infor	mation available	e N	lo info	ormation availal	ble	-		
Subacute inhalat	ion	No infor	mation available	e N	lo info	ormation availa	ble	-		
Subchronic oral		No infor	mation available	e N	lo info	ormation availa	ble	-		
Subchronic derm	nal	No infor	mation available	e N	lo info	ormation availa	ble	-		
Subchronic inhal	ation	No infor	rmation available No in		lo info	information available		-		
Chronic oral No infor			rmation available No in		lo info	nformation available		-		
Chronic dermal No inform			mation available No ir		lo info	nformation available		-		
Chronic inhalation No information ava			mation available	e No information available			ble	-		
	fects (car	cinogenici	ty; mutagenicity			oxicity) n available				_
Mutage	enicity <i>in-</i>	vitro:		No information available						
Genoto	xicity:			No information available						
Mutage	enicity <i>in-</i>	vivo:		No information available						
Germ c	ell mutag	enicity:		No information available						
Reprod	uctive to	kicity:		No inform	natior	available				
	Summary of evaluation of the CMR properties:			No information available						
11.2. Informa	ation on c	other haza	rds:							
		ting prop								
No kno	<u> </u>	crine disru	pting properties	S						
	nformatio			1						
TI.Z.Z. Other in		115.								

12.1. Toxicity



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

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Trade name:	PROPYLENE GLYCOL						
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Acute (short-tern toxicity	n)	Dose	Exposu time	re	Species	I	Method	Eval	uation	٨	lote
Fish		LC ₅₀	96 hour	c	No information available	_		No inforr available	nation	-	
Crustacea:		EC ₅₀	48 hour	c	No information available	-		No inforr available	nation	-	
Algae/aquatic pla	ants	IC ₅₀	72 hour	c	No information available	_		No inforr available	nation	-	
Other organisms		-	-		-	-		-		-	
Chronic (long-ter toxicity	m)	Dose	Exposu time	re	Species	I	Method	Eval	uation	١	lote
Fish		LC ₅₀	96 hour	C	No information available	_		No inforr available	nation	-	
Crustacea:		EC ₅₀	48 hour	c	No information available	_		No inforr available	nation	-	
Algae/aquatic pla	ants	IC ₅₀	72 hour	C	No information available	_		No inforr available	nation	-	
Other organisms		-	-				-		-		
12.2. Persister	nce ar	nd degradab	ility								
Abiotic o	degra	dation	-								
	De	egradation h	alf-lives		Method	ł		E۱	valuation		Note
Marine water	No in	formation a	vailable	١	No information available		No information available			_	
Fresh water	No in	formation a	vailable	١	No information available		No information available		ble	-	
Air	No in	formation a	vailable	١	No information available No info		No informa	rmation available -		-	
Soil	No in	formation a	vailable	١	lo information av	vaila	able	No information available		-	
<u> </u>											•
Biodegra	adatic	n									
% Degradation		Time (days	5)		Method		Eva	uation		Note	
No information available	No avai	inforr lable	nation N	No inf	ormation availab	ole	No ir availabl	nformation e	No inforr		mation
			i								
12.3. Bioaccui	mulati	ive potentia									
Octanol	-wate	r partition co	pefficient	(log l	(ow)		1				
Value	Conce	entration	рН	°C	Method		E [,]	valuation		Note	



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name:		PROPYLENE GLYCOL										
t code	:	PG-X*	* D	ate of	f comp	ilation:		14 [November 202	22	Version	: 4
			1				1				,	·
tion e			ation -		-			on	No informa available	ation	No in available	formation
Rioco	ncantr	ation f	actor (RCF)									
	ncenti	ation				Method	1		Evaluation		Not	ρ
			ormation			formatio					No information available	
	1 1 1 1 1 1 1 1						1					
Chron	nic eco	toxicity	/									
Valu	e		Dose	Exposure time			Species		Method	E	Evaluation	Note
toxicit	y on fi	sh	LC ₅₀	No information available				No information available		No information - available		-
			EC ₅₀	No information available			ormation		No information available	info	ormation	_
		:		1								
Mobil	ity in s	soil										
Know	n or pı	redicte	d distributi	on in e	environi	mental o	compartr	ner	nts:			
No in	format	tion av	ailable									
Surfac	ce tens	sion:										
Vá	alue		°C	C	oncentr	ration		М	lethod		Note	
No No information available available			No information available		No information available		-					
<u> </u>		<u> </u>		<u> </u>						<u> </u>		
Adsor	ption	/ desoi	rption									
ort				lo	og Kow	Ev	vaporatio	on r	ate Meth	nod	N	ote
	tion e Bioco alue rmation e Chror Valu toxicit toxicit ea (Dap Mobil Know No in Surfac Va No inform availa	tion e No available Bioconcentralue rmation e Chronic eco Value Chronic eco Value toxicity on fine toxicity on ea (Daphnia) Mobility in sea (Daphnia) Mobility in sea (Daphnia) Adsorption available Adsorption A/	tion e Sinformation for available Bioconcentration for available Chronic ecotoxicity Value toxicity on fish toxicity on ea (Daphnia) Mobility in soil Known or predicte No information available No information available Adsorption / desoin available Adsorption / desoin available Adsorption / desoin available	tion No information available Species Chronic ecotoxicity Value Dose toxicity on fish LC50 toxicity on ea (Daphnia) EC50 Mobility in soil Known or predicted distribution available Surface tension: Value °C No information available Surface tension: Value °C No information available Adsorption / desorption A/D coefficient	Bioconcentration factor (BCF) alue Species rmation e No information available Chronic ecotoxicity Value Dose Ex toxicity on fish LC50 Information available Mobility in soil Known or predicted distribution in exercise tension: Value °C C No information available Surface tension: Value °C C No information available Adsorption / desorption A/D coefficient A/D coefficient	tion e	tion available No information available No information available	tion available No information available Species Method	tion e No information available	tion e No information available	tion e No information available	tion available



13.1.4.

13.1.5.

Sewage disposal – relevant information:

Other disposal recommendations:

Waste must not be disposed of into the sewage system.

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

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	ame:		l	PROPYLENE GLYC	COL	
Product	code:	PG-X**	Version: 4			
Soil-wate	er No availa	information able	No information available	No information available	No information available	-
Water-ai	r No availa	informatior able	No information available	No information available	No information available	-
Soil-air	No availa	informatior able	No information available	No information available	No information available	-
		PBT and vPvB ass	essment			
		disrupting proper		affect the environm	ent.	
12.7.	Other adv	erse effects				
	No inform	ation available				
SECTION	N 13. Disp	osal consideratio	ns			
13.1.	Waste tr	eatment methods				
		catificiti ilictilous				
13.1.1.	Product	/Packaging dispos				
13.1.1.		/Packaging dispos for disposal to the	al:	rized by the Ministry	of Environmental	and Nature
	Submit to Protection	/Packaging dispos for disposal to the on.	al:		/ of Environmental	and Nature
13.1.1.	Submit to Protection Waste co	/Packaging dispos for disposal to the on. odes/waste design	al: legal person autho nations according to			
	Submit to Protection Waste constant to 15 01 10 substant	/Packaging dispos for disposal to the on. odes/waste design	al: legal person autho nations according to contains residual ha	D Low:		



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Trade name:	PROPYLENE GLYCOL					
Product code:	PG-X**	Date of compilation:	14 November 2022	Version: 4		

	authorized by the minist	oduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge. Do not dispose of in places where				
13.1.6.	Relevant Community pro	ovisions:				
	Sustainable Waste Management Act, Ordinance on Waste Management, Regulation on categories, types and classification of waste with waste catalog and list of hazardous waste					
SECTIO	N 14. Transport information	on				
	Transporting/shipment by	road (ADR)				
UN num	ber:	Not subject to transport regulations				
UN prop	per shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing	group:	-				
Environr	mental hazards:	-				
Special p	orecautions for user:	-				
	Transporting/shipment by	rail (RID)				
UN num	ber:	Not subject to transport regulations				
UN prop	per shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing	group:	-				
Environr	mental hazards:	-				
Special p	orecautions for user:	-				
	Transporting/shipment by	inland waterways (ADN)				
UN num	ber:	Not subject to transport regulations				
UN prop	per shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing	group:	-				
Environr	mental hazards:	-				
Special p	orecautions for user:	-				
	Transporting/shipment by	sea (IMDG)				
UN num	ıber:	Not subject to transport regulations				
UN prop	per shipping name:	-				
Transpo	rt hazard class(es):	-				
Packing	group:	-				
Fnvironr	mental hazards:	Not subject to transport regulations				



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Trade name:		PROPYLENE GLYCOL					
Product code:	PG-X**	Date of compilation:	14 November 2022	Version: 4			

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 environmental regulations/legislation specific for the substance or mixture					
	EU regulations					
	Authorisations and/or res	strictions of use				
	Authorisations:	-				
	Restrictions:	-				
		Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April				
	Other EU regulations:	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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Trade name:	PROPYLENE GLYCOL					
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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. Other information				
16.1.	Indication of changes:	-			
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative			
16.3.	Key literature references and source of data:	-			
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)			
Classifi	cation	Classification procedure			
_		-			
16.5.	Relevant H statements (num	ber and full text)			
	H: -	-			
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.			

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EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT

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Trade name:	PROPYLENE GLYCOL, 85%			
Product code:	PG85-X**	Date of compilation:	14 November 2022	Version: 4

SECTION	ON 1. Identification of th	ne substance	/mixture	and of the company/undertaking	
1.1.	Product identifier				
	Trade name:	PROPYLENE GLYCOL, 85%		85%	
	Chemical name:	-			
	Catalogue number:	PG85-X**			
1.2.	Relevant identified uses	s of the subst	tance or m	nixture and uses advised against	
	Uses:		For us	se with Sudan Black B Lipid kit.	
	Uses advised against:		Only 1	the identified uses are advised.	
	Reason why uses advised against:		medic	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	Details of the supplier of the safety data sheet			
	Supplier: BioG		oGnost Ltd	nost Ltd.	
	Address: Med		edjugorsk	ljugorska 59, Zagreb	
	Telephone number: +385		385 1 2409	5 1 2409997	
	Telefax: +38		385 1 2404	35 1 2404039	
	e-mail of competent person: msds		sds@biog	ds@biognost.hr	
	National contact:	National contact: -			
1.4.	Emergency telephone number				
	National Protection and	d 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 Regul	ation (EC) No 127	2/2008 (CLP)		
	Hazard class and catego	ry code:	Hazard statement*:		
	Not identified as hazardous subs	stance.	-		
2.1.2.	Additional information				
	-				
* For fu	ıll text of Hazard- and EU Hazard-s	tatements: see SE	CTION 16		
2.2.	Label elements				
	Product identification:	PROPYLENE G	YCOL, 85%		
	Identification number:	-			
	Authorisation number:	-			
	Hazard pictograms:	-			



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Trade name:	PROPYLENE GLYCOL, 85%			
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	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)
-	-	_	Contains no hazardous substances	-

SECTIO	CTION 4. First aid measures					
4.1.	Description of first aid measures					
	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				
4.3.	Indication of any immediate	medical attention and special treatment needed				



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No information available

SECTI	ON 5. Firefighting measures		
5.1.	Extinguishing media		
	Suitable extinguishing media:	Water, CO ₂ , foam, dry powder	
	Unsuitable extinguishing med	a: No information available	
5.2.	Special hazards arising from th	ne substance 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 conta Protection and Rescue Directorate (NPRD) on 112.		
6.3.	Methods and material for containment and cleaning up		



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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	rmation about containment.		

SECTIO	TION 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. Thoroughly 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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Trade name:	PROPYLENE GLYCOL, 85%			
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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:	-

SECTION 6. Exposure	e controls/persona	l protection			
8.1. Control para	meters				
Substance	CAS		l exposure limit rt term values	Biological limit values	
		ppm	mg/m³		
-	-	-	-	-	
Substance - name:					
EC No: -	CAS No:	-			
DNEL					
		Industrial			
Route of exposure:	Acute effect	Acute effect	Chronic effe	ect Chronic effect	
Route of exposure.	local	systemic	local	systemic	
Oral	-	-	-	-	
Inhalation	-	-	-	-	
Dermal	1	-	-	-	
Critical physical param	neters: solubility, fla	mmability, corrosivity:			
		Consumer			
Route of exposure:	Acute effect local	Acute effect systemic	Chronic effe	ect Chronic effect systemic	
Oral	-	-	-	-	
Inhalation	-	-	-	-	
Dermal	-	-	-	-	
PNEC		•	•	<u>.</u>	



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Trade name:	PROPYLENE GLYCOL, 85%			
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Environm	ental protection target	PNEC		
Fresh wat	er	No information available		
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 control	5		
	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 prevent exposure:	In accordance with Section 7.		
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.		
	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 that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.		
8.2.2.2.	Skin protection	<u>-</u>		
		Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374.		
	Hand protection:	Glove material: nitrile rubber		
		Glove thickness: ≥0.50 mm		
		Break through time: >480 min		
	Other skin protection:	Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves (EN 13034), and shoes that cover the entire foot (EN 10335).		
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 information 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 and chemical properties			
		Value	Method	
	Physical state:	liquid	No information available	
	Colour:	colourless	No information available	
	Odour/odour threshold:	No information available	No information available	
	Melting point / freezing point:	No information available	No information available	
	Boiling point or initial boiling point and boiling range:	No information available	No information available	
	Flammability:	No information available	No information available	
	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 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:	PROPYLENE GLYCOL, 85%				
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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.

	cological information						
11.1. Informatio	n on toxicological eff	ects					
Acute toxi	city:						
Route of exposure:	Method	Species	LD ₅₀ /	ive dose (LC ₅₀ or	Exposur	e time	Results
Oral:	No information available	-	No infor available		No infor		_
Dermal:	No information available	-	No infor available		No infor		-
Inhalation:	No information available	-	No infor available		No infor		-
Specific ta	rget organ toxicity – s	single exposure (STOT SE):				
: '	Specific			Target orgai	n		Note
Oral:	No information ava		No info	ormation ava		_	
Dermal:	No information ava	ilable	No info	ormation ava	ilable	-	
Inhalation:	No information ava	ilable	No info	ormation ava	ilable	-	
	ī		·			1	
Aspiration	hazard:	-					
Irritation a	nd corrosion						
	Exposure ti	me Sp	ecies	Evaluation	Me	ethod	Note
Skin corrosion/irritation:	-	-	-		-		No information available
Serious eye damage/irritation	-	-	-		-		No information available



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Trade name:		PROPYLENE GLYCOL, 85%						
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Sensitiza Dermal exposure		n availahla				
Inhalation exposure:	No informatio					
ехрозите.						
Sympto	ms related to the p	hysical, chemic	al and toxicolog	ical characteristi	CS	
Oral exposure:	No informatio	<u> </u>				
Dermal exposure	: No informatio	n available				
Inhalation exposure:	No informatio	n available				
Eye exposure:	No informatio	n available				
Repeate	ed dose toxicity (su	bacute, subchro	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:	PROPYLENE GLYCOL, 85%						
Product code:	ct code: PG85-X** Date of com		oilation:	oilation: 14 November 2022			ion: 4
Chronic No information available		No information available	information information		No informati available		
Specific	target organ to	cicity – repeated e	xposure (STOT	RE):			
	Specific effects			Target orga	n		Note
Subacute oral	No inf	ormation available	e No ir	nformation availa	ble	-	
Subacute derma	No inf	ormation available	e No ir	nformation availa	ble	-	
Subacute inhalat	ion No inf	ormation available	e No ir	nformation availa	ble	-	
Subchronic oral	No inf	ormation available	e No ir	nformation availa	ble	-	
Subchronic derm	nal No inf	ormation available	e No ir	nformation availa	ble	-	
Subchronic inhal	ation No inf	ormation available	e No ir	nformation availa	ble	-	
Chronic oral	No inf	rmation available No inf		nformation available		-	
Chronic dermal No information avail			e No ir	nformation availa	ble	-	
Chronic inhalation No information availab		ormation available	e No ir	nformation availa	ble	-	
	fects (carcinoger	icity; mutagenicity	y; reproductive	<u> </u>			
	nicity <i>in-vitro</i> :		No information available				
Genoto			No information available				
	nicity <i>in-vivo</i> :		No information available				
	ell mutagenicity:		No information available				
	uctive toxicity:		No informati	on available			
Summa propert	•	n of the CMR	No informati	on available			
11.2. Informa	ition on other ha	zards:					
	ne disrupting pro						
No kno		rupting propertie	S				
	nformations:						
11.2.2. Other in	nominations.						

SECTION 12. General notes:

12.1. Toxicity



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Trade name:		PROPYLENE GLYCOL, 85%					
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Acute (short-ter toxicity	rm)	Dose	Exposure time	Species	Method	Eval	uation	No	ote
Fish		LC ₅₀	96 hours	No information available	-	No inforr available	mation	-	
Crustacea:		EC ₅₀	48 hours	No information available	-	No inforr available	mation	-	
Algae/aquatic p	lants	IC ₅₀	72 hours	No information available	-	No inforr available	mation	-	
Other organism	S	-	-	-	-	-		_	
Chronic (long-toxicity	erm)	Dose	Exposure time	Species	Method	Eval	uation	No	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 p	lants	IC ₅₀	72 hours	No information available	-	No information available		-	
Other organism	Other organisms			-	-	-		_	
12.2. Persist	ence a	nd degradab	oility						
		adation							
į	T -	egradation h	alf-lives	Method		E۱	/aluation	1 1 1 1 1 1	Note
Marine water		nformation a		No information ava	ailable	No informa	ation availab	le	_
Fresh water	No ii	nformation a	vailable	No information ava	ailable	No informa	ation availab	le	_
Air	No ii	nformation a	vailable	No information ava	ailable	No informa	ation availab	le	-
Soil	No ii	nformation a	vailable	No information ava	ailable	No informa	ation availab	le	
	II				!				
Biodeg	ıradati	on							
% Degradation		Time (days	3)	Method	Eva	luation	N	ote	
No information available	n No		nation	information availabl	No ir	nformation	No available		mation
12.3. Bioacc	umula	tive potentia							
Octano	ol-wate	er partition co	oefficient (lo	g Kow)					
Value	Conc	entration	рН	°C Method	E	valuation	_	Note	



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Trade r	name:		PROPYLENE GLYCOL, 85%									
Produc	t code:	: P	G85-X**	Date o	of compila	tion:	1	4 No	ovember 202	2	Version	: 4
				i	•		i i				i	
No informa available		No ir availal	nformation ble	-	- N	o in vailab	formatio le		No informa available	tion	No in available	formation
	Biocor	ncentra	ation factor (BCF)								
V	alue		Speci	es	М	ethod	d		Evaluation		Not	e
No info	rmatior		lo information		No infor	matic			information lable		No informati Ivailable	
	Chron	ic ecot	oxicity									
	Value Do		Dos	se E	Exposure time		Species	ecies Method		Evaluation		Note
Chronic	Chronic toxicity on fish LC ₅₀			information i		ormation ilable	ii	No nformation available	No infor avail	rmation lable	-	
Chronic crustace	-		EC ₅₀		information i		ormation ilable	iı	No nformation available	No infor avail	rmation lable	-
			·						· · · · · · · · · · · · · · · · · · ·			
12.4.	Mobil	ity in so	oil									
	Knowi	n or pre	edicted distr	ibution in	environme	ntal c	compartn	nents	s:			
	No inf	ormati	on available									
	Surfac	e tensi	on:									
	Va	lue	°C		Concentrati	ion		Met	thod		Note	
	No inform availal		No information available	าก	o informati vailable	on	No info	ormation _				
			1	<u>i</u>			<u>i</u>		<u>.</u>			
	Adsor	ption /	desorption									
Transpo	rt		coefficient ry's constant	•	log Kow	E۱	/aporatio	n rat	te Meth	od	N	ote



13.1.3.

13.1.4.

13.1.5.

Waste treatment – relevant information:

Sewage disposal – relevant information:

Other disposal recommendations:

Waste must not be disposed of into the sewage system.

No information available

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

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Trade name: PROPYLENE GLYCOL, 85%							
Produc	t code:	PG85-X**	Date of compilation	on: 14 Nove	n: 14 November 2022		
Soil-wat	ter No	information able	n No information available	No information available	No information available	-	
Water-a	nir No availa	informationable	n No information available	No information available	No information available	-	
Soil-air	No availa	informatio able	n No information available	No information available	No information available	-	
12.5.		PBT and vPvB ass	sessment				
	No inform	ation available					
12.6.	Endocrine	disrupting prope	erties				
	No known	endocrine disrup	oting properties that	affect the environm	nent.		
12.7.	Other adv	erse effects					
	No inform	ation available					
SECTIO	N 13 Disn	osal consideration	nns				
13.1.		eatment method					
13.1.1.	Product,	/Packaging dispo	sal:				
	Submit t Protection		e legal person autho	rized by the Ministr	y of Environmental	and Nature	
13.1.2.	Waste co	odes/waste desig	nations according to) Low:			
	15 01 10*: packaging that contains residual hazardous substances or is contaminated with hazard substances					d with hazardous	



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Trade name:		PROPYLENE GLYCOL, 85%						
Product code:	PG85-X**	Date of compilation:	14 November 2022	Version: 4				

	authorized by the minist	oduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit lectors authorized by the ministry in charge. Do not dispose of in places where					
13.1.6.	Relevant Community provisions:						
		gement Act, Ordinance on Waste Management, Regulation on categories, of waste with waste catalog and list of hazardous waste					
SECTIO	N 14. Transport information	on					
	Transporting/shipment by	road (ADR)					
UN num	ber:	Not subject to transport regulations					
UN prop	er shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environmental hazards:		-					
Special precautions for user:		-					
	Transporting/shipment by	rail (RID)					
UN number:		Not subject to transport regulations					
UN prop	per shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environr	mental hazards:	-					
Special p	precautions 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 p	precautions for user:	-					
	Transporting/shipment by	sea (IMDG)					
UN num	ber:	Not subject to transport regulations					
UN prop	per shipping name:	-					
Transpo	rt hazard class(es):	-					
Packing	group:	-					
Environr	mental hazards:	Not subject to transport regulations					



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Trade name:		PROPYLENE GLYCOL, 85%					
Product code:	PG85-X**	Date of compilation:	14 November 2022	Version: 4			

Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (ICA	AO-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 environmental 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 793/93 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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Trade name:	PROPYLENE GLYCOL, 85%			
Product code:	PG85-X**	Date of compilation:	14 November 2022	Version: 4

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

ANNEX:

EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT

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Trade name:	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 FAS	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:			he 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 and there is no reason to use it for other purposes.		
1.3.	Details of the supplier of	Details of the supplier of the safety data sheet			
	Supplier: BioG		Gnost Ltd	nost Ltd.	
	Address:	Address: Med		59, Zagreb	
	Telephone number:	Telephone number: +385		5 1 2409997	
	Telefax:	lefax: +385		5 1 2404039	
	e-mail of competent pe	e-mail of competent person: msds(s@biognost.hr	
	National contact:	National contact: -			
1.4.	Emergency telephone n	Emergency telephone number			
	National Protection and Rescue Directora		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 Regulation (EC) No 1272/2008 (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			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	ON 4. First aid measures		
4.1.	Description of first aid measures		
	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							
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	Extinguishing media					
	Suitable extinguishing media:		Water, CO ₂ , foam, dry powder				
	Unsuitable extinguishing media:		No information available				
5.2.	Special hazards arising from the substance or mixture						
	Hazardous combustion products:	No information available.					
5.3.	Advice for firefighters						
	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	ECTION 6. Accidental release measures				
6.1.	Personal precautions, protective eq	quipment 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 control Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for containm	nent and cleaning up			



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

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

	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:	-

						viciriity	OI W	ork area.		
	Indust	Industrial sector specific solutions: -								
				ols/persona	l pro	tection				
8.1.	Contro	ol para	meters							
	Substa	ince		CAS	No	Occupational values/shor			Biolo	ogical limit values
						ppm	ppm mg/m³			
-				-		-		-		-
Substar name:	nce	-								
EC No:		-		CAS No:		-				
DNEL										
						Industrial				
Davita	- £	Acu		Acute effect Ac		Acute effect		Chronic effect		Chronic effect
Koute	of exposure:			local		systemic		local		systemic
Oral			-		-		-			-
Inhalati	ion		1		-		-			-
Dermal			-		-		-			-
Critical	physical	paran	neters: s	olubility, fla	mmal	bility, corrosivity:				
						Consumer				
Douts	of over		Acu	te effect		Acute effect		Chronic effe	ct	Chronic effect
Koute	of expo	sure:		local		systemic		local		systemic
Oral			-		-		-			-
Inhalati	ion		1		-		-			-
Dermal			-		-		-			-
					•				,	



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

Environm	ental protection target		PNEC		
Fresh wat	er		No information available		
Freshwater sediments			No information available		
Marine wa	ater		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			
	Substance/mixture related measures to prevent exposure during identified uses:		product in well ventilated rooms. Use personal protective ent. Do not eat, drink or smoke in the workspace.		
exposure: Organisational measures to Organ		In accor	accordance with Section 7.		
		_	rganization of work in order to reduce other worker's influence uring work process.		
	Technical measures to prevent exposure:		re proper workspace ventilation in order to keep entration 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:	Wear antistatic clothing made of natural fibers (such as cotton) with long sleeves (EN 13034), and shoes that cover the entire fo (EN 10335).			
8.2.2.3.	Respiratory protection:		e mask or half mask equipped with a combined "A-P" filter ed 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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Trade name:		NUCLEAR FAST RED (KERNECHTROT) REAGENT				
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4		

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

).1.	Information on basic physical ar	nd 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	
	pH:	No information available	No information available	
	Kinematic viscosity:	No information available	No information available	
	Solubility:	No information available	No information available	
	Partition coefficient noctanol/water (log value):	No information available	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:		NUCLEAR FAST RED (KERNECHTROT) REAGENT					
Product code:	KR-OT-X**	Date of compilation:	14 November 2022	Version: 4			

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	ctive dose ₅₀ /LC ₅₀ or TE _{mixture}	Exposur	re time	Results
Oral:	No information available	_	No inf availat	ormation ole	No infor availa		_
Dermal:	No information available	_	No inf availat	ormation ole	No infor availa		_
Inhalation:	No information available	-	No inf availat	ormation ole	No infor		-
Specific tar	get organ toxicity – si Specific		(STOT SE):	Target org	an		Note
	Specific effects						Note
Oral:	No information avail			No information available No information available		-	
Dermal:	No information avail					-	
Inhalation:	No information avail	able	INO II	nformation av	/allable	-	
Aspiration	hazard:	-					
Irritation ar	nd corrosion						
	Exposure tin	ne Sp	ecies	Evaluation	ı Me	ethod	Note
Skin corrosion/irritation:	-	-		-	-		No information available
Serious eye damage/irritation	-	-		-	-		No information available



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

<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 informatio	n 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:	name: NUCLEAR FAST RED (KERNECHTROT) REAGENT						
Product code:	KR-OT-X**	OT-X** Date of compilation: 14 November 2022			2022	Version: 4	
Chronic inhalation	No information available	No No information available available		No No information information available available			
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	nformation availa	ble	-	
Chronic oral	No info	rmation availabl	e No i	nformation availa	ble	-	
Chronic dermal	No info	rmation availabl	e No information available		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 informati	on available			
Mutage	enicity <i>in-vitro</i> :		No information available				
Genoto	xicity:		No information available				
Mutage	enicity <i>in-vivo</i> :		No informati	on available			
Germ c	ell mutagenicity:		No information available				
Reprod	uctive toxicity:		No informati	on 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:		•				
-							

SEC	TION	12. G	eneral	notes:
2EC	HON	12. G	enerai	notes

12.1. Toxicity



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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	nation	-	
Algae/aquatic pl	ants	IC ₅₀	72 hours	No information available	-	No information available		-	
Other organisms	5	-	-	-	-	-		-	
12.2. Persiste Abiotic	degra								
	De	egradation h	alf-lives	Method		E۱	/aluation		Note
Marine water	No ir	nformation a	vailable	No information av	ailable	No informa	ation availabl	e	-
Fresh water	No ir	nformation a	vailable	No information available		No information available		e	-
Air	No ir	nformation a	vailable	No information available		No information available		e	-
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			nformation le			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	



Trade name:

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						:		·					
No informa available			inform lable	ation -		_	No in	formation le		lo informa vailable	tion	No ii available	nformation
				<u> </u>	<u> </u>	<u> </u>						i	
	Bioco	ncent	ration 1	factor (BCI	=)								
V	alue			Species		N	1ethod			Evaluation		No	te
No info		ı	No info	ormation ble		No info availabl			No ii avail	nformation able		No informat available	ion
		1 1 2 1 2 1 3 1 3 1 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3											
	Clause	.:											
	Cnror	iic eco	otoxicit	y	Ev	nocuro					: : : : : : : :		
	Valu	е		Dose		Exposure time		Species		Method E		valuation	Note
Chronic toxicity on fish LC ₅₀		LC ₅₀	No information available			rmation lable	ir	lo nformation vailable		ormation ilable	-		
Chronic toxicity on crustacea (Daphnia)		EC ₅₀	No information available			rmation lable	ir	lo nformation vailable		ormation ilable	-		
				i.							i		
12.4.	Mobil	ity in	soil										
	Know	n or p	oredicte	ed distribu	tion in e	environm	ental c	ompartm	nents	:			
	No in	forma	ation av	ailable									
	Surfac	ce ten	sion:										
	Vá	alue		°C	С	oncentra	tion		Met	hod		Note	
	No No information inform available availab		ormation		No information available		n No information available		ion	-			
	Λ -!			.: -									
	Adsor	•	/ deso										
Transpo	rt		/D coef enry's co		lo	og Kow	Ev	aporatio	n rate	e Meth	od	ſ	Note



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	1						1
Soil-wat	ter No	lable	information	No information available	No information available	No information available	-
Water-a	air No avai	No info available		No information available	No information available	No information available	-
Soil-air	No avai	lable	information	No information available	No information available	No information available	-
12.5.	Results o	f PBT a	and vPvB asses	sment			
	No inforr	mation	available				
12.6.	Endocrin	e disru	ıpting properti	es			
	No know	n end	ocrine disrupti	ng properties that	affect the environm	nent.	
12.7.	Other ad	verse (effects				
	No inforr	mation	available				
SECTIO	N 13. Dis	oosal	consideration	S			
13.1.	Waste	treatm	ent methods				
13.1.1.			aging disposal				
	Submit Protect		sposal to the l	egal person autho	rized by the Ministry	y of Environmental a	and Nature
	FIOLECT	1011.					
13.1.2.	Waste	codes	/waste designa	tions according to	Low:		
	15 01 1 substar		ckaging that c	ontains residual h	azardous substances	s or is contaminated	l with hazardous
13.1.3.	Waste	treatm	ent – relevant	information:			
	No info	rmatio	on available				
13.1.4.	Sewage	e dispo	osal – relevant	information:			
	Waste	must r	not be dispose	d of into the sewa	ge system.		
13.1.5.	Other o	disposi	al recommend	ations:			



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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. Submit ectors authorized by the ministry in charge. Do not dispose of in places where
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 information	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 proper shipping name:		-
Transport 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 prop	er 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 (ICA	AO-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 environmental 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.	Ind	ication of changes:	-		
16.2.	Abbreviations and acronyms:		ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:		-		
16.4.		ssification and procedure 2/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)		
Classif	icatior	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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