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Trading name:		BIOSCHIFF FORTE				
Product code:	BSF-OT-X**	Date of compilation:	14 July 2021	Version:	1	

SECTI	ON 1: Identification of	the substance	/mixture	and of the company/undertaking	
1.1	Product identifier				
	Trading name:	BIOSCHIFF	FORTE		
	Chemical name:	-			
	Catalogue number:	BSF-OT-X**			
1.2	Relevant identified us	es of the subst	tance or n	nixture and uses advised against	
	Uses:		For dete	ecting aldehydes and mucous substances.	
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advi	sed against:	medical	duct is intended for use only as an <i>in vitro</i> diagnostic device, registered at the Agency for Medicinal Products and Devices and there is no reason to use it for other purposes.	
1.3	Details of the supplier	of the safety	data shee	t	
	Supplier:		BioGnos	t Ltd.	
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2	2409997	
	Telefax.:		+385 1 2	2404039	
	e-mail of competent p	person:	msds@biognost.hr		
	National contact:		_		
1.4	Emergency telephone	number			
	National Protection a	nd Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification					
2.1	Classification of the substar	Classification of the substance or mixture				
2.1.1	Classification according to F	Regulation (EC) No 1	272/2008 (CLP)			
	Hazard class and ca	tegory code:	Hazard statements*:			
	Carc. 1B		H350			
	-		EUH031			
2.1.2.	Additional information					
	-	-				
*For fu	ll text of Hazard- and EU Haza	ard-statements: see S	ECTION 16			
2.2	Label elements					
	Product identification:	Product identification: BIOSCHIFF FORTE				
	Identification number:	Identification number: -				
	Authorization number:	-				



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	Hazard pictograms:	GHS08
	Signal word:	Danger
	Hazard statements:	H350 May cause cancer. EUH031 Contact with acids liberates toxic gas.
	Precautionary statements:	<ul> <li>P201 Obtain special instructions before use.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.</li> <li>P308 + P313 IF exposed or concerned: Get medical advice/ attention.</li> <li>P405 Store locked up.</li> <li>P501 Dispose of contents/container in accordance with local regulations.</li> </ul>
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	-	

SECTION 3. Co.	SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
7681-57-4/ 231-673-0/ 016-063-00-2	-	< 3 %	sodium metabisulfite	Acute Tox. 4; H302 Eye Dam. 1; H318 EUH031			
7647-01-0/ 231-595-7/ 017-002-01-X	-	< 3 %	hydrochloric acid	Skin Corr. 1B; H314 Acute Tox. 3; H331			
569-61-9/ 209-321-2/ 611-031-00-X	-	< 20 %	C.I. Basic Red 9	Carc. 1B; H350			

SECTIO	SECTION 4. First aid measures				
4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.			



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	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Rinse the oral cavity, drink 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.	
	Self-protection of the first aider:	-	
4.2	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.	
	Following skin contact:	Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking.	
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.	
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.	
4.3	Indication of any immediate medi	cal attention and special treatment needed	
	-		

SECTIO	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub> Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media:	Water jet			
5.2	Special hazards arising from the substance or mixture				
	Hazardous combustion products:	Sulfur oxides.			
5.3	Advice for firefighters				
	Use a self-contained open-circuit o	compressed air breathing apparatus and fireproof clothing.			
5.4	Additional information				
	Do not contaminate the environment	ent with extinguishing media.			

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



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	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke.
	Emergency procedures:	Mark the area using proper signs.
6.1.2.	For emergency responders:	
	Use protective equipment; in (see Section 8).	case of inadequate ventilation use adequate airways protective equipment
6.2	Environmental precautions:	
	Do not dispose of in sewage, Protection and Rescue Directo	drainage system and waterways. In case of large spillage contact National orate (NPRD) on 112.
6.3	Methods and material for containment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).
6.4	Reference to other sections	
	-	

SECTIO	CTION 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:		Use in well ventilated storage rooms.		
	Measures to prevent aerosol and dust generation:		Secure proper ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		-		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating				
7.2	Conditions for safe storage, including any incomp	patibilities			
	Technical measures and storage conditions:	well ventile from 15 to closed and	htly closed and upright set containers in a ated storage roomsat temperatures ranging 25 °C. After first opening keep in tightly upright set containers at temperatures om +2 to +8 °C.		



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

SECTION 8. Exposure controls/personal protection								
8.1 Control p	arameters							
Substance		CA	CAS No		Occupational exposure limit values/short term values		Biological li	Biological limit values
				ppm		mg/m³		
sodium metabisulf	n metabisulfite 7681-57-4		-/-		5/-	No informati	on available	
Substance name:	-							
EC No:	-	CAS No	: -	-				
DNEL								
Industrial								
Route of	Acı		1,100,110			Chronic		nronic
exposure:	effect	local	effect systemic		effect local		effect	systemic
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-				-		-	
Critical physical pa	rameters:	solubility,	flammabili	ty, corrosivit	y:	-		
Consumer								
Route of	Ac	ute	Acute			Chronic	Cl	nronic
exposure:	effect	local	effect :	effect systemic		effect local	effect	systemic
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-		-		-		-	



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PNEC					
Environm	ental protection target		PNEC		
Fresh wat	er		No information available		
Freshwate	er sediments		No information available		
Marine w	ater		No information available		
Marine se	ediments		No information available		
Food cha	in		No information available		
Microorg	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 contro	ols			
	Substance/mixture related mea		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:  Organisational measures to prevent exposure:		In accordance with Section 7.		
			Organization of work in order to reduce other worker's influence during work process.		
Technical measures to prevent exp		exposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.		
8.2.2.	Personal protection equipment	:			
8.2.2.1.	Eye and face protection:	levels	glasses that stick to face (EN 166) or visor in case of lower of concentration in air; protective gas mask that covers the face in case of higher levels of concentration in air.		
8.2.2.2.	Skin protection				
	Hand protection:	Protec	tive nitrile gloves, 0.11 mm thick (EN 374).		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) ong sleeves (EN 340) and shoes that cover the entire foot.		
8.2.2.3.	Respiratory protection:	combi	Suitable mask (EN 136) or half mask (EN 140) equipped with a combined "A1 + Form" filter (EN 143) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation available		
8.2.3.	Environmental exposure contro	ols			
	Substance/mixture related measures to prevent exposure:	See Se	ection 6		



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

Co Oc Oc ph M Ini ra Fla Ev Fla Va Va Re	nysical state:  plour:  dour:  dor threshold:  d:  elting point / freezing point;  itial boiling point and boiling nge:  ash point:  aporation rate:  ammability (solid, gas):  pper/lower flammability or  plosive limits:	Value liquid colourless sharp No information available	Method  No information available  No information available
Co Oc Oc ph M Ini ra Fla Ev Fla Va Va Re	polour: dour: dour: dor threshold: d: elting point / freezing point; itial boiling point and boiling nge: ash point: aporation rate: ammability (solid, gas): oper/lower flammability or	colourless sharp No information available	No information available
Ori	dour: dor threshold: d: elting point / freezing point; itial boiling point and boiling nge: ash point: aporation rate: ammability (solid, gas): oper/lower flammability or	sharp No information available	No information available
Oo ph M Ini ra Fla Ev Fla Va Va Re	dor threshold: d: elting point / freezing point; itial boiling point and boiling nge: esh point: aporation rate: emmability (solid, gas): oper/lower flammability or	No information available	No information available
PH M Ini ra Fla Ev Fla Up ex Va Va	H: elting point / freezing point; itial boiling point and boiling nge: ash point: aporation rate: ammability (solid, gas): oper/lower flammability or	No information available	No information available
M Ini ra Fla Ev Fla Va Va Re	elting point / freezing point; itial boiling point and boiling nge: ash point: aporation rate: ammability (solid, gas): oper/lower flammability or	No information available	No information available  No information available  No information available  No information available
Inira Fla Ev Fla Up ex Va Va	itial boiling point and boiling nge: ash point: aporation rate: ammability (solid, gas): oper/lower flammability or	No information available  No information available  No information available  No information available	No information available  No information available  No information available
ra Fla Ev Fla Up ex Va Va	nge: ash point: aporation rate: ammability (solid, gas): oper/lower flammability or	No information available  No information available  No information available	No information available  No information available
Ev Fla Up ex Va Va Re	aporation rate: ammability (solid, gas): oper/lower flammability or	No information available  No information available	No information available
Fla Up ex Va Va Re	ammability (solid, gas): oper/lower flammability or	No information available	
Up ex Va Va Re	oper/lower flammability or		No information available
ex Va Va Re	•	No information available	
Va Re	•	No imormation available	No information available
Re	pour pressure:	No information available	No information available
	pour density:	No information available	No information available
D.	elative density:	No information available	No information available
DU	ılk density:	No information available	No information available
Sc	olubility(ies):	No information available	No information available
	rtition coefficient: n- rtanol/water (log Kow):	No information available	No information available
Αι	uto-ignition temperature:	No information available	No information available
De	ecomposition temperature:	No information available	No information available
Vi	scosity:	No information available	No information available
Ex	plosive properties:	No information available	No information available
O	kidising properties:	No information available	No information available



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SECTIO	SECTION 10. Stability and reactivity			
10.1	Reactivity:	No information available		
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:	Strong oxidants (acids).		
10.6	Hazardous decomposition products:	Sulfur dioxide, sodium oxide.		

SECTION 11. Toxic	ological info	mation						
11.1 Information	n on toxicolog	ical effects						
Acute toxic	city:							
Route of exposure:	Method	Species	С	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>		Exposure time		Results
Oral:	-	-		informa <sup>.</sup> Iable	tion	-		_
Dermal:	-	-		informa lable	tion	-		-
Inhalation:	-	_		informa lable	tion	-		-
Specific tar	get organ tox	icity – single exp	osure (S	TOT SE)	:		i	
Specific effects		ecific effects			Target orga	n		Note
Oral:	No informati	on available		No information available			-	
Dermal:	No informati	on available	No information available			_		
Inhalation:	No informati	tion available		No information available			-	
Aspiration	hazard:	N	No inforr	mation a	available.			
Irritation a	nd corrosion							
	Expo	sure time	Speci	ies	Evaluation	Method		Note
Skin corrosion/irritation:	<b>–</b>	-			-	-	-	
Serious eye damage/irritation	-	-			-	-	-	
Sensitizatio	on .							
	i	information avai	lable					
Skin sensitization:	INO	iniormation avai	iabie					



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Sympto	ms related to the pl	nysical, chemic	al and toxicolog	ical characterist	ics	
Oral exposure:				panied by abdo	minal pains and	cramps; higher
Dermal exposure	: May cause sl	kin irritation.				
Inhalation exposi	ure: exposure an		y sensitive pers	•	oncentration, pro sm may occur, a	•
Eye exposure:	May cause e	ye irritation.				
Danasta	را ما مام ما المنابع المام مام مام المام					
Кереац	ed dose toxicity (sub 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 No information dermal available		No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-



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		Specific effects		Target organ	Note
Subacu	ute oral	No information available		No information available	-
Subacu	ute dermal	No information available		No information available	-
Subacu	ute inhalation	No information available		No information available	-
Subchr	onic oral	No information available		No information available	-
Subchr	Subchronic dermal No information available			No information available	-
Subchronic inhalation No information available				No information available	-
Chroni	c oral	No information available		No information available	-
Chronic dermal		No information available		No information available	-
Chroni	c inhalation	No information available		No information available	-
	Genotoxicity:  Mutagenicity i  Germ cell muta  Reproductive t  Summary of properties:	agenicity: toxicity:	No informa No informa No informa	ation available ation available ation available ation available ation available	
11.2	Practical exper	iences:			
	Classification o	observations:	No information available		
	Other observa	tions:	No informa	ation available	
11.3	General notes:				

SECTION 12. Ecologi	cal informat	ion							
12.1 Toxicity	12.1 Toxicity								
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-			



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Product code. B	3F-U1-X***		Date of Compila	tion. 14 Ju	ıy 202 i	version.
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	<b>-</b>
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
12.2 Persistence a	nd degradab	ility				
Abiotic degra	adation	-		~	γ	
De	gradation ha	alf-lives	Method	Evaluatio	on	Note

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

#### Biodegradation

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

#### 12.3 Bioaccumulative potential



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Trading	g nar	ne:					BI	oschi	FF FOI	RTE				
Produc	t cod	de:	BSF-C	)T-X**		Date	of co	mpilatio	on:	14 Jul	y 202	1\	Version:	1
	1													
	Oct	anol-w	ater pa	rtition coe	fficient (	log Kow	)					*		
Valu	e	Coı	ncentrat	tion	рН	°C	M	ethod		Evalua	ation		Note	
-		-		-		-	-		-			-		
	Ī													
	Biod	concen	tration	factor (BC	F)	1			1					
V	alue			Species		1	Method	ł	-	Evaluatio	on		Note	
No info		on	No		mation				formation	on	<u>-</u>			
availabl	е		availak	ole		availab	le		availa	ible				
	Chi													
	Cnr	onic ec	otoxicit	:у	Г						**************************************			
	Value Dose			osure ime	Spe	ecies	Me	thod	Eva	aluation	Note	è		
					No		No		No		No			
Chronic	toxic	ity on	fish	LC <sub>50</sub>	_	information		mation			_	rmation	-	
					avail	able	availa	ble	availa	ble		lable		
Chronic	toxic	ity on		ГС	No	mation	No	mation	No	nation	No	rmation		
crustace	ea (Do	aphnia	)	EC <sub>50</sub>	avail		availa		availa			lable	-	
				<u> </u>	i		i .		i.				i	
12.4	Mol	oility ir	n soil											
	Kno	wn or	predicte	ed distribu	ution in e	environm	nental o	compart	ments:					
			ation av					<u>-</u>						
	Surf	ace te	nsion:											
	,	Value		°C	С	oncentra	ation		Meth	nod			Note	
	No		No		NIA	informa	tion	No inf	ormatio	on				
		rmatio		ormation		informa ailable	itiOH	availak		OH		-		
	avai	lable	av	ailable										
	Λ -1													
	Ads	•	n / desc											
Transpo	ort		v/D coet	ficient onstant	lo	og Kow	E۱	/aporati	on rate	<u>.</u>	Metho	od	Note	
		170	criiy S C	Jiistaiit										



Trading	name:			BIOSCHIFF FO	RTE		
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Soil-wate	er No availa	information able	No information available	No information available	No information available	-	
Water-ai	r No availa	information able	n No information No information available available		No information available	-	
Soil-air	No availa	information able	ormation No information No information available		No information available	-	
12.5	Results of	PBT and vPvB asses	ssment				
	No inform	nation available					
12.6	Other adv	erse effects					
		nation available					
SECTION	l 13. Disp	osal consideration	s				
13.1	Waste ti	reatment methods					
13.1.1.		/Packaging disposa					
	Protection	•	egal person autho	rized by the Minis	try of Environmental	and Nature	
13.1.2.	Waste c	odes/waste designa	tions according to	o Law:			
	Packagii	ng that contains res	idual hazardous sı	ubstances or is co	ntaminated with haz	ardous substar	nces
13.1.3.	Waste ti	reatment – relevant	information:				
	No infor	rmation available					
13.1.4.	Sewage	disposal – relevant	information:				
	Waste n	nust not be dispose	d of into the sewa	ge system.			
1215	الم ما الم		_#:				
13.1.5.		isposal recommend		the sewage system	n. Submit the remair	ns to the collec	tors
	authoriz		n charge. Do not o	dispose of the pac	kaging into the sewa		
13.1.6.	· ·	t Community provis			<b>J</b>		
	-						
6E6E: 5:							
SECTION	1 14 TRAN	ISPORT INFORMA	HON				



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UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by rail (R	ID)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	_
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-



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Trading name:		BIOSCHIFF FO	BIOSCHIFF FORTE		
Product code:	BSF-OT-X**	Date of compilation:	14 July 2021	Version:	1

Further information:	-			

5.1	ON 15. Regulatory information Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture			
	EU regulations	EU regulations			
	Authorization and/or rest	rictions of use			
	Authorizations:	-			
	Restrictions:	-			
	Other EU regulations:	EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council;  The European Commission Regulation No. 453/2006 of 2010 on changes and amendments to the Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH);  EC Regulation No. 2037/200 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer;  EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals;  EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants;  Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives			
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act			
5.2	Chemical safety assessme	ent			
	None				

SECTIO	SECTION 16. Other information			
16.1	Indication of changes:	-		
		PBT	Stable, bioaccumulative and toxic	
		vPvB	Strongly stable and strongly bioaccumulative.	
16.2	Abbreviations and acronyms:	LD <sub>50</sub>	Lethal dose, 50%	
		LC <sub>50</sub>	Lethal concentration, 50%	
		TCOJ	Specific target organ toxicity - single exposure	



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Trading name:		BIOSCHIFF FO	RTE		
Product code:	BSF-OT-X**	Date of compilation:	14 July 2021	Version:	1

16.3.	Key literature references and source of data:		-
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		
Classif	icatior	1	Classification procedure
-			-
16.5.	Rel	evant H statements (num	ber and full text)
	H:	H302	Harmful if swallowed.
		H314	Causes severe skin burns and eye damage
		H318	Causes serious eye damage.
		H331	Toxic if inhaled.
		H350	May cause cancer.
		(EUH031)	Contact with acids liberates toxic gas.
16.6.	Trai	ining advice:	-
	16.7. Further information:		** "X" in the product code marks different volumes (different packagings of the product)
16.7.			We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to chemical safety assessment	
_	



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Trading name:		HCL REAGENS, LEUKO	OGNOST PAS		
Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1

SECTI	ON 1: Identification of	the substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name:	HCL REAGE	NS, LEUK(	IS, LEUKOGNOST PAS		
	Chemical name:	-				
	Catalogue number:	HCLLP-OT-	X**			
1.2	Relevant identified uses of the subs		tance or n	nixture and uses advised against		
	Uses:		For use	with special staining kits in histopathology.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.			
1.3	Details of the supplier of the safety data sheet					
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb +385 1 2409997 +385 1 2404039 <u>msds@biognost.hr</u>			
	Telephone number:					
	Telefax.:					
	e-mail of competent p	person:				
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection a	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance	e or mixture			
2.1.1	Classification according to Re	gulation (EC) No 1	272/2008 (CLP)		
	Hazard class and cated	gory code:	Hazard statements*:		
	Skin Corr. 1A		H314		
	Acute Tox. 4;		H332		
2.1.2.	Additional information				
*For fu	ll text of Hazard- and EU Hazard	l-statements: see S	ECTION 16		
2.2	Label elements				
	Product identification: HCL REAGENS, LEUKOGNOST PAS				
	Identification number:	-			
	Authorization number:	-			



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Trading name:	HCL REAGENS, LEUKOGNOST PAS				
Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1

	Hazard pictograms:	GHS05 GHS07
	Signal word:	Danger
	Hazard statements:	H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled.
	Precautionary statements:	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/ eye/protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340+P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	Supplemetal hazard information (EU):	-
2.3	Other hazards	

SECTION 3. Con	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)		
7647-01-0/ 231-595-7/ 017-002-00-2	-	< 25 %	hydrochloric acid	Skin Corr. 1A; H314 Acute Tox. 3; H331		

SECTIO	SECTION 4. First aid measures			
4.1	Description of first aid measures			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.		
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.		



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Trading name:		HCL REAGENS, LEUKOGNOST PAS			
Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1

	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.
	Following ingestion:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider:	-
4.2	Most important symptoms and ef	fects, both acute and delayed
		According to our findings, chemical, physical and toxicological
	Following inhalation:	properties of the substance have not been entirely tested.
	Following inhalation:  Following skin contact:	
		properties of the substance have not been entirely tested.  According to our findings, chemical, physical and toxicological
	Following skin contact:	properties of the substance have not been entirely tested.  According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.  According to our findings, chemical, physical and toxicological
4.3	Following skin contact:  Following eye contact:  Following ingestion:	properties of the substance have not been entirely tested.  According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.  According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.  According to our findings, chemical, physical and toxicological

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

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



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Trading name:	HCL REAGENS, LEUKOGNOST PAS				
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	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Use protective equipment; in ( (see Section 8).	case of inadequate ventilation use adequate airways protective equipment		
6.2	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3	Methods and material for con-	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.		
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information on safe handling.  See Section 8 for information on personal protection equipment.  See Section 13 for disposal information.			

SECTIO	SECTION 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures to prevent fire:	Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.			
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.			
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.			
	Other measures:	Protect against electrostatic charges.			
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2	Conditions for safe storage, including any incompatibilities	es			



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

SECTION 8. Expo	sure contr	ols/perso	nal pr	otection				
8.1 Control p	parameters	eters						
Substance		CA	CAS No		Occupational exposure limit values/short term values		Biological limit value	
				pp	om	mg/m³		
Hydrogen chlorid	e	764	7-01-0	5/	'10	8/15	-	
Substance name:	-							
EC No:	-	CAS No	:	_				
DNEL								
				Indu	strial			
Route of exposure:	Act effect		effe	Acute ct systemic		Chronic effect local		ronic systemic
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-		-		-		-	
Critical physical pa	arameters:	solubility,	flamm	ability, corro	sivity:	-		
				Cons	umer			
Route of exposure:		cute ct local	effe	Acute ct systemic		Chronic effect local		ronic systemic
Oral	_		_		_		_	



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Trading r	name:		ŀ	HCL R	EAGENS, LEUKO	OGNOST PAS			
Product o	code:	HCLLP-OT-X**	[	Date c	f compilation:	13 July 2021	Version:	1	
		1				1			
Inhalation Dermal	<u> </u>	-	-		-				
PNEC		-	-		-	-			
	ontal proto	ection target			PNEC				
Fresh wate	•	ection target			no information a	vailable			
Freshwate		to.			no information a				
Marine wa		15			no information a				
Marine se									
Food chair					no information a				
		ewage treatment			no information a				
Soil (agric	uiturai)				no information available no information available				
Air					no information a	valiable			
8.2	Exposul	re controls							
8.2.1.	Appropriate engineering controls								
	Substance/mixture related measures to prevent exposure during identified uses:				Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structui	ral measures to pr re:	revent		In accordance with Section 7.				
	Organis exposul	sational measures re:	to prevent		Organization of work in order to reduce other worker's influence during work process.				
	Technic	al measures to pr	event expo	sure:	concentration lev	orkspace ventilation vels in air below per ng eyes and showeri	mitted levels. Sec		
8.2.2.	Persona	al protection equip	pment	·					
8.2.2.1.	Eye and	Safety e and face protection: levels of			f concentration in	o face (EN 166) or v air; protective gas ner levels of concen	mask that covers		
8.2.2.2.	Skin protection								
	-	The pro			orotective gloves have to satisfy the specification of allation (EU) 2016/425 and the related standard EN 374.  Glove material: nitrile rubber  Glove thickness: 0.40 mm				

Time until perforation: > 480 min



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Trading name:		HCL REAGENS, LEUKO	GNOST PAS		
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	Other skin protection:	During everyday work use cotton clothing (EN 340) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

1	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	No information available			
	Colour:	colourless	No information available			
	Odour:	hydrochloric acid	No information available			
	Odor threshold:	No information available	No information available			
	pH:	No information available	No information available			
	Melting point / freezing point;	No information available	No information available			
	Initial boiling point and boiling range:	No information available	No information available			
	Flash point:	No information available	No information available			
	Evaporation rate:	No information available	No information available			
	Flammability (solid, gas):	No information available	No information available			
	Upper/lower flammability or explosive limits:	No information available	No information available			
	Vapour pressure:	No information available	No information available			
	Vapour density:	No information available	No information available			
	Relative density:	No information available	No information available			
	Bulk density:	No information available	No information available			



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Trading name:		HCL REAGENS, LEUKO	GNOST PAS	_	
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	Solubility(ies):	No information available	No information available
	Partition coefficient: n- octanol/water (log Kow):	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Viscosity:	No information available	No information available
	Explosive properties:	No information available	No information available
	Oxidising properties:	No information available	No information available
9.2	Other information		
	-		

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

11.1 Inform	ation on toxicological e	ffects			
Acute	toxicity:				
Route of exposure:	Method	Species	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure time	Results
Oral:	No information available	-	No information available	-	-
Dermal:	No information available	-	No information available	-	-
Inhalation:	No information available	-	No information available	-	_
Specifi	c target organ toxicity -	<u> </u>	sure (STOT SE):	organ	Note
Oral:	No information av		No information a		
Dermal:	No information av	ailable	No information a	formation available -	
nhalation: No information available		No information a	No information available -		



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Trading name:		HCL REAGENS, LEUKO	HCL REAGENS, LEUKOGNOST PAS				
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Aspiration hazard:			N	o information a	available.		
Irritation	n and d	corrosion					
iiiitatioi	T dila c	Exposur	e time	Species	Evaluation	Method	Note
Skin corrosion/irritation	on:	-	-	- Sp - 3-3-3	-	-	-
Serious eye damage/irritatior	า	-	-		-	-	-
Sensitiza	ation						
Skin sensitization	n:	No inf	ormation avail	able.			
Respiratory sensi	tizatio	n: No inf	ormation avail	able.			
		•		al and toxicolo	gical characteri	stics	
Oral exposure:		Harmful if sw					
Dermal exposure				Jh skin. May ca		on.	
Inhalation exposi	ure:			ise respiratory	tract irritation.		
Eye exposure:		May cause ey	e irritation.				
Reneate	nd dose	a toxicity (sub	acute, subchro	onic chronic)			
Кереше		Dose	Exposure time	Species	Method	Evaluatio	n Note
Subacute oral	No availa	information able	No information available	No information available	No information available	No informati available	on -
Subacute dermal	No availa	information able	No information available	No information available	No information available	No informati available	on -
Subacute inhalation	No availa	information able	No information available	No information available	No information available	No informati available	on -
Subchronic oral	No availa	information able	No information available	No information available	No information available	No informati available	on -
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No informati available	on -
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No informati available	on -



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Trading name:		HCL REAGENS, LEUKO	GNOST PAS		
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Chronic dermal Chronic dermal Chronic inhalation  No information available  Specific target organ toxicity — repeated exposure (STOT RE):  Specific effects  No information available  No information av	Chronic oral	No availa	information able	No information available	No information available	No information available	No informati available	on	-
No information inhalation   No information available   Information   Information available   Information   I	Chronic dermal			information	information	information	informati	on	-
Specific effects Target organ Note  Subacute oral No information available No information available -  Subacute dermal No information available No information available -  Subacute inhalation No information available No information available -  Subchronic oral No information available No information available -  Subchronic dermal No information available No information available -  Subchronic inhalation No information available No information available -  Subchronic inhalation No information available No information available -  Chronic oral No information available No information available -  Chronic dermal No information available No information available -  Chronic inhalation No information available No information available -  Chronic inhalation No information available No information available -  CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)  Carcinogenicity: Based on available data, the classification criteria are not mutagenicity in vitro: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not muta				information	information	information	informati	on	-
Specific effects Target organ Note  Subacute oral No information available No information available -  Subacute dermal No information available No information available -  Subacute inhalation No information available No information available -  Subchronic oral No information available No information available -  Subchronic dermal No information available No information available -  Subchronic inhalation No information available No information available -  Subchronic inhalation No information available No information available -  Chronic oral No information available No information available -  Chronic dermal No information available No information available -  Chronic inhalation No information available No information available -  CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)  Carcinogenicity: Based on available data, the classification criteria are not mutagenicity in vitro: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria a	Specifi	c target	organ toxicit	v – repeated e	xposure (STO	Γ RF):			
Subacute oral No information available No information available - Subacute dermal No information available No information available - Subacute inhalation No information available No information available - Subchronic oral No information available No information available - Subchronic dermal No information available No information available - Subchronic inhalation No information available No information available - Chronic oral No information available No information available - Chronic dermal No information available No information available - Chronic inhalation No information available No information available - Chronic inhalation No information available No information available - CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)  Carcinogenicity: Based on available data, the classification criteria are not me Mutagenicity in vitro: Based on available data, the classification criteria are not me Mutagenicity in vivo: Based on available data, the classification criteria are not me Germ cell mutagenicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteri				·	<u> </u>		organ	0 0 0 0 0 0 0 0 0 0 0	Note
Subacute inhalation No information available No information available - Subchronic oral No information available No information available - Subchronic dermal No information available No information available - Subchronic inhalation No information available No information available - Chronic oral No information available No information available - Chronic dermal No information available No information available - Chronic inhalation No information available No information available - Chronic inhalation No information available No information available -  CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)  Carcinogenicity: Based on available data, the classification criteria are not mutagenicity in vitro: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity in vivo: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, the classification criteria are not mutagenicity: Based on available data, th	Subacute oral		No informa	•	<u> </u>			_	
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Subchronic inhalation No information available No information available - Chronic oral No information available No information available - Chronic dermal No information available No information available - Chronic inhalation No information available No information available - Chronic inhalation No information available No information available - CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)  Carcinogenicity: Based on available data, the classification criteria are not me Mutagenicity in vitro: Based on available data, the classification criteria are not me Mutagenicity in vivo: Based on available data, the classification criteria are not me Germ cell mutagenicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification cri	Subchronic ora			ntion available		No informatio	n available		
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Chronic dermal No information available No information available - Chronic inhalation No information available No information available - CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)  Carcinogenicity: Based on available data, the classification criteria are not me Mutagenicity in vitro: Based on available data, the classification criteria are not me Mutagenicity in vivo: Based on available data, the classification criteria are not me Germ cell mutagenicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me Reproductive toxicity: Based on available data, the classification criteria are not me met.  Summary of evaluation of the CMR Based on available data, the classification criteria are met.  11.2 Practical experiences:  Classification observations: No information available	Subchronic inha	alation	No informa	ntion available		No informatio	No information available -		
Chronic inhalation No information available	Chronic oral		No informa	ntion available	e No information available		n available	-	
CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)  Carcinogenicity:  Based on available data, the classification criteria are not me Mutagenicity in vitro:  Based on available data, the classification criteria are not me Mutagenicity in vivo:  Based on available data, the classification criteria are not me Mutagenicity in vivo:  Based on available data, the classification criteria are not me Germ cell mutagenicity:  Based on available data, the classification criteria are not me Reproductive toxicity:  Based on available data, the classification criteria are not me Summary of evaluation of the CMR Based on available data, the classification criteria are met.  11.2 Practical experiences:  Classification observations:  No information available	Chronic dermal		No informa	ntion available		No informatio	n available	-	
Carcinogenicity:  Based on available data, the classification criteria are not me Mutagenicity in vitro:  Based on available data, the classification criteria are not me Genotoxicity:  Based on available data, the classification criteria are not me Mutagenicity in vivo:  Based on available data, the classification criteria are not me Germ cell mutagenicity:  Based on available data, the classification criteria are not me Reproductive toxicity:  Based on available data, the classification criteria are not me Summary of evaluation of the CMR Based on available data, the classification criteria are not me met.  11.2 Practical experiences:  Classification observations:  No information available	Chronic inhalat	on	No informa	ntion available		No informatio	n available	-	
Carcinogenicity:  Based on available data, the classification criteria are not me Mutagenicity in vitro:  Based on available data, the classification criteria are not me Genotoxicity:  Based on available data, the classification criteria are not me Mutagenicity in vivo:  Based on available data, the classification criteria are not me Germ cell mutagenicity:  Based on available data, the classification criteria are not me Reproductive toxicity:  Based on available data, the classification criteria are not me Summary of evaluation of the CMR Based on available data, the classification criteria are not me met.  11.2 Practical experiences:  Classification observations:  No information available									
Mutagenicity in vitro:  Genotoxicity:  Based on available data, the classification criteria are not me Mutagenicity in vivo:  Based on available data, the classification criteria are not me Mutagenicity in vivo:  Based on available data, the classification criteria are not me Based on available data, the classification criteria are not me Reproductive toxicity:  Based on available data, the classification criteria are not me Based on available data, the classification criteria are not me Properties:  Summary of evaluation of the CMR Based on available data, the classification criteria are met.  11.2 Practical experiences:  Classification observations:  No information available				y; mutagenicity	•				
Genotoxicity:  Based on available data, the classification criteria are not me Mutagenicity in vivo:  Based on available data, the classification criteria are not me Germ cell mutagenicity:  Based on available data, the classification criteria are not me Reproductive toxicity:  Based on available data, the classification criteria are not me Summary of evaluation of the CMR Based on available data, the classification criteria are properties:  11.2 Practical experiences:  Classification observations:  No information available			-						
Mutagenicity in vivo:  Germ cell mutagenicity:  Reproductive toxicity:  Based on available data, the classification criteria are not metagenicity:  Based on available data, the classification criteria are not metagenicity:  Based on available data, the classification criteria are not metagenicity:  Summary of evaluation of the CMR Based on available data, the classification criteria are properties:  11.2 Practical experiences:  Classification observations:  No information available		<del>-</del>	n vitro:						
Germ cell mutagenicity:  Reproductive toxicity:  Based on available data, the classification criteria are not met.  Summary of evaluation of the CMR Based on available data, the classification criteria are properties:  11.2 Practical experiences:  Classification observations:  No information available		<del>-</del>							
Reproductive toxicity:  Based on available data, the classification criteria are not me  Summary of evaluation of the CMR Based on available data, the classification criteria are properties:  11.2 Practical experiences:  Classification observations:  No information available		······							
Summary of evaluation of the CMR Based on available data, the classification criteria are properties:  11.2 Practical experiences:  Classification observations:  No information available									
properties: met.  11.2 Practical experiences:  Classification observations: No information available	Kepro	ductive t	oxicity:		Based on ava	liable data, the cia	assification (	riteri	a are not met.
11.2 Practical experiences:  Classification observations: No information available		,	evaluation	of the CN		n available data,	the classific	ation	criteria are not
Classification observations: No information available	F P -								
	11.2 Practic	al exper	iences:						
Other observations:  No information available	Classif	ication c	bservations:		No inform	mation available			
	Other	observa	tions:		No inform	mation available			
11.3 General notes:	11.3 Genera	al notes:							



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Trading name:		HCL REAGENS, LEUKO	GNOST PAS		
Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1

SECTION 12. E	cologi	cal informat	ion				
12.1 Toxicit	у						
Acute (short-te toxicity	rm)	Dose	Exposure time	Species	Method	Evaluation	Note
Fish		LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:		EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic p	olants	IC <sub>50</sub>	4 days	No information available	No information available	No information available	-
Other organism	าร	-	-	-	-	-	-
Chronic (long-t	erm)	Dose	Exposure time	Species	Method	Evaluation	Note
Fish		LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:		EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic μ	olants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organism	าร	-	-	-	-	-	-
			•1•-				
		nd degradab	ility				
IJOIUA	c degra	gradation ha	olf-lives	Method	Evaluatio	nn e	Note
Marine water		nformation a		No information available	No information		NOLE
Fresh water	No ir	nformation a	vailable	No information available	No informatio	n -	
Air	No ir	nformation a	vailable	No information available	No information	n -	
Soil	No ir	nformation a	vailable	No information available	No informatio	n -	



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Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1
		·	·	·	

В	iodegrad	ation									
% Degra	adation	Tim	e (days	)	N	1ethod		Evaluatio	n		Note
No information No information available available		nation				information lable	า	No information available			
12.3 B	ioaccumı	ulative poter	ntial								
О	ctanol-w	ater partitio	n coeff	icient (	log Kow	)	-				
Value	Co	ncentration	р	Н	°C	Method		Evalu	ation		Note
	-		-			_		_		-	
В	ioconcen	tration facto	or (BCF)								
Valu		Sp	ecies			Method		Evaluation			Note
No inform available	ation	No available	inform	ation	No info	ormation le		o information information in the second in t	on	-	
C	hronic ed	cotoxicity									
,	Value		Oose		osure ime	Species	I	Method	Eval	uation	Note
Chronic to	xicity on	fish LC	50	No infor	mation able	No information available	1	o formation ailable	No inforn availa	nation ble	-
Chronic to crustacea	-	) EC	50	No infor availa	mation able	No information available		o formation ailable	No inforn availa	nation ble	-
12.4 M	1obility ir	n soil									
:	-		istributi	on in e	environm	nental compar	tmer	nts:			
		ation availal						·			
			-								
S	urface te	nsion:									



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Trading	name:		HCL RE	AGENS, LEUKO	GNOST PA	S		
Product	t code:	HCLLP-OT-X**	Date of	f compilation:	13 July 20	21	Version:	1
	No informatio available	No information available	No informatio available	n No informati available	on	<b>—</b>		
	Adsorptio	n / desorption						
Transpoi	rt	A/D coefficient enry's constant	log Kow	Evaporation rate	e Meth	nod	Note	
Soil-wate	er No avail	informatior able	No information available	No information available	No inforn available	nation	-	
Water-ai	ir No avail	informatior able	No information available	No information available	No inforn available	nation	-	
Soil-air	No avail	informatior able	No information available	No information available	No inforn	nation	-	
12.6		cable. Perse effects r relevant informa	tion available.					
SECTION	N 13. Disp	osal consideratio	ns					
13.1		reatment methods						
13.1.1.	Product	/Packaging dispos	al:					
	Submit Protecti	•	legal person autho	rized by the Minis	try of Enviro	nmental	l and Nature	
12.1.2								
13.1.2.		D*: Packaging that	nations according to contains residual h		es or is conta	aminate	ed with hazardo	ous
	Jabatan	-						
13.1.3.	Waste t	reatment – relevar	nt information:					
	No info	rmation available						
13.1.4.	Sewage	disposal – relevar	nt information:					
	Waste n	nust not be dispos	ed of into the sewa	ige system.				



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Trading name:		HCL REAGENS, LEUKO	GNOST PAS		
Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1

13.1.5.	Other disposal recomme	endations:			
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collector authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Subm the packaging to the collectors authorized by the ministry in charge.				
13.1.6.	Relevant Community pro	ovisions:			
	Disposal must be made	according to official regulations.			
	14 TRANSPORT INFORI				
<u>i</u>	ransporting/shipment by				
UN numbe		UN 1789			
	r shipping name:	Hydrochloric acid, solution			
······································	hazard class(es):	8			
Packing gr	-				
Environme	entally hazardous:				
Special pre	ecautions for user:	-			
Т	ransporting/shipment by	rail (RID)			
UN numbe	er:	UN 1789			
UN prope	r shipping name:	Hydrochloric acid, solution			
Transport	hazard class(es):	8			
Packing gr	roup:	II			
Environme	entally hazardous:	-			
Special pre	ecautions for user:	-			
Ir	nland waterway transport	(ADN)			
UN numbe	er:	UN 1789			
UN prope	r shipping name:	Hydrochloric acid, solution			
Transport	hazard class(es):	8			
Packing gr	roup:	II			
Environme	entally hazardous:	-			
Special pre	ecautions for user:	-			
Т	ransporting/shipment by	sea (IMDG)			
UN numbe		UN 1789			
UN prope	r shipping name:	Hydrochloric acid, solution			
	hazard class(es):	8			
Packing gr		II .			
	entally hazardous:	-			
	ecautions for user:	-			



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Trading name:		HCL REAGENS, LEUKO	GNOST PAS		
Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1

	·
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	UN 1789
UN proper shipping name:	Hydrochloric acid, solution
Transport hazard class(es):	8
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations					
	Authorization and/or rest	rictions of use				
	Authorizations:	-				
	Restrictions:	-				
		EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council;				
		Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH);				
	Other EU regulations:	EC Regulation No. 2037/200 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer;				
		EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals;				
		EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants;				
		Directive 2008/98/EC of the European Parliament and Council of 19  November 2008 on waste and repealing certain Directives				
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-				
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous				
		Substances Act				



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Trading name:		HCL REAGENS, LEUKOGNOST PAS			
Product code:	HCLLP-OT-X**	Date of compilation:	13 July 2021	Version:	1

	None				
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SECTION	TION 16. Other information					
16.1	Indication of changes:	-				
		PBT Stable, bioaccumulative and toxic				
		vPvB Strongly stable and strongly bioaccumulative.				
16.2	Abbreviations and acronyms	LD <sub>50</sub> Lethal dose, 50%				
		LC <sub>50</sub> Lethal concentration, 50%				
		TCOJ Specific target organ toxicity - single exposure				
16.3.	Key literature references and source of data:	-				
16.4.	Classification and procedure 1272/2008 (CLP)	used to derive the classification for mixture according to Regulation (EC)				
Classif	ication	Classification procedure				
-		-				
16.5.	Relevant H statements (numl	per and full text)				
	H: H314	Causes severe skin burns and eye damage.				
	H331	Toxic if inhaled.				
	H332	Harmful if inhaled.				
16.6.	Training advice:	-				
		** "X" in the product code marks different volumes (different packagings of the product)				
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.				

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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Trading name:		<u> </u>	
Product code:	PK05-OT-X**	Date of compilation: 03 July 2019	Version: 3

SECTI	ON 1 IDENTIFICATION (	OF THE SUE	STANCE/MI	XTURE AND OF THE COMPANY/UNDERTAKING		
1.1.	Product identifier					
	Trading name:	PERIODIC	ACID, 0.5 % S	SOLUTION		
	Chemical name:	-				
	Catalogue number:	PK05-OT-X**				
1.2.	Relevant identified use	es of the sub	ostance or mix	cture and uses advised against		
	Uses:		For use wi	th special staining kits.		
	Uses advised against:		Only the id	dentified uses are advised.		
	Reason why uses advis	sed against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Produ Medical Devices and there is no reason to use it for other pure			
1.3.	Details of the supplier	of the safet	y data sheet			
	Supplier:		BioGnost Ltd.			
	Address:		Medjugorska	59, Zagreb		
	Telephone number:		+385 1 24099	97		
	Fax no.:		+385 1 24040	39		
	e-mail of competent p	erson:	msds@biogno	<u>ost.hr</u>		
	National contact:		-			
1.4.	Emergency telephone	number				
	National Protection an	d Rescue D	irectorate:	112		
	Medical information:	ical information:		+385 1 2348 342		
	Other information: -			-		

SECTIO	TION 2 HAZARDS INFORMATION						
2.1.	Classification of the substance or mixture						
2.1.1.	Classification (REGULATION (EC) No. 1272/2008 (CLP)						
	Hazard class and category	code:	Hazard statements*:				
	Not identified as hazardous substance						
2.1.2.	Additional information						
	-						
*For fu	ll text of Hazard- and EU Hazard-sta	tements: see S	ection 16				
2.2.	Classification according to EC Dire	ective Nr. 1272/	(2008 CLP)				
	Product identification:	PERIODIC AC	ID, 0.5 % SOLUTION				
	Identification number:	-					
	Authorization no.: -						
	Hazard pictograms: -						
	Signal word:	-					



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Trading name:	PERIODIC ACID, 0.5 % SOLUTION			
Product code:	PK05-OT-X**	Date of compilation:	03 July 2019	Version: 3

	Hazard statements:	-
	Precautionary statements:	-
	Further information:	-
2.3.	Other hazards	
	-	

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

SECTI	ON 4 FIRST AID MEASURES		
4.1.	Description of first aid measures		
	General notes:	-	
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.	
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.	
	Self-protection of the first aid	der: Treat symptomatically.	
4.2.	Most important symptoms a	nd effects, both acute and delayed	
	Following inhalation:	Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea.	
	Following skin contact:	Slight irritation. After short exposure, resorption effects are not likely. Long-term exposure may cause drying, cracking and tingling sensation of skin.	
	Following eye contact:	Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation.	



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Trac	ding name:	PERIODIC ACID, 0.5 % SOLUTION			
Pro	duct code:	PK05-OT-X**	Date of compilation:	03 July 2019	Version: 3

	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.
4.3.	Indication of any immediate medical attention and special treatment needed	
	-	

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

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



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Trading name:	PERIODIC ACID, 0.5 % SOLUTION				
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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.
6.3.3.	Other information:	-
6.4.	Reference to other sections	
	-	

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



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Trading name:		PERIODIC ACID, 0.5 % SOLUTION	_
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SECTION 8 EXPOSUI	SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION							
8.1. Control para	meters							
Substance				Occupational values/short	exposure limit term values	Biological limit values		
				ppm	mg/m³			
-		-		-	-	No information available		
Substance - name:								
EC No: -		CAS No:	-					
DNEL								
				Industrial				
noute of				Acute ect systemic	Chron effect lo			
Oral	1		-		-	-		
Inhalation -			-		-	-		
Dermal	Dermal				-	-		
Critical physical parar	neters: s	solubility, fla	mmabilit	ty, corrosivity:	-			
				Consumer				
Route of	A	Acute	cute Acute		Chron	nic Chronic		
exposure:	effe	ect local	effe	ect systemic	effect lo	ocal effect systemic		
Oral	-		-		-	-		
Inhalation	-		-		-	-		
Dermal	-		-		-	-		
PNEC								
Environmental protec	tion tar	get		PNEC				
Fresh water					No information available			
Freshwater sediments	5				No information available			
Marine water					No information available			
Marine sediments					No information available			
Food chain					mation availabl			
Microorganisms in se	wage tr	eatment			mation availabl			
Soil (agricultural)					No information available			
Air				No infor	mation availabl	le		
8.2. Exposure	contro	ls						



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Trading name:	PERIODIC ACID, 0.5 % SOLUTION				
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8.2.1.	Engineering measures				
	Substance/mixture related measures to prevent exposure during identified uses:  Structural measures to prevent exposure:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
			No information available		
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 equip	ment			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	Skin protection				
			Protective gloves must be according to the EU Directive 2016/425/EEC and standard EN 374.  Glove material: nitrile rubber  Glove thickness: ≥0.50 mm  Break through time: >480 min		
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long s (EN 13034), and shoes that cover the entire foot (EN 10335).		
8.2.2.3.	Respiratory protection:	filter f	ctive full face mask (EN 136) or half mask (EN 140) equipped with a or organic vapors, type "A" (boiling point >65°C) acording to EN ) used when concentration levels exceed GVI.		
8.2.2.4.	Thermal hazards:	No inf	ormation available		
8.2.3.	Environmental exposure of	controls			
	Substance/mixture related measures to prevent expo		See Section 6		
	Structural measures to prevent exposure:		Use modern equipment.		
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.		
	Technical measures to proexposure:	event	See Section 6		

SECT	SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES							
9.1.	Information on basic physical and cher	Information on basic physical and chemical properties						
		Value	Method					
	Physical state:	liquid	No information available					
	Color:	colourless	No information available					



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

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Trading name:		PERIODIC ACID, 0.5 % SOLUTION	
Product code:	PK05-OT-X**	Date of compilation: 03 July 2019	Version: 3

Odor:	no odor	No information available
Odor threshold:	No information available	No information available
pH:	No information available	No information available
Melting point / freezing point;	No information available	No information available
Initial boiling point and boiling range:	No information available	No information available
Flash point:	No information available	No information available
Evaporation rate:	No information available	No information available
Flammability (solid, gas):	No information available	No information available
Upper/lower flammability or explosive limits:	No information available	No information available
Vapor pressure:	No information available	No information available
Vapor density:	No information available	No information available
Relative density:	No information available	No information available
Bulk density:	No information available	No information available
Solubility(ies):	Soluble in water (20 °C)	No information available
Partition coefficient: n-octanol/water (log Kow):	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
Viscosity:	No information available	No information available
Explosive properties:	No information available	No information available
 Oxidising properties:	No information available	No information available
Other information		

SECTIO	SECTION 10 STABILITY AND REACTIVITY					
10.1.	Reactivity:	See subsections 10.3 through 10.5.				
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.				
10.3.	Possibility of hazardous reactions:	With strong oxidants, sodium-hydroxide, sulfuric acid, aluminum.				
10.4.	Conditions to avoid:	Sources of heat, sparks, and ignition.				
10.5.	Incompatible materials:	Aluminum.				
10.6.	Hazardous decomposition products:	No information available.				

SECTIO	ON 11 TOXICOLOGICAL INFORMATION
11.1.	Information on toxicological effects
	Acute toxicity:



Eye exposure:

sensation.

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

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Trading name:		PERIODIC ACID, 0.5	% SOLUTION		
Product code:	PK05-OT-X**	Date of compilation:	03 July 2019	Version:	3

Product code:	PK05-O1-X**	Date of	compilation:	03 July 2019	9	Version: 3	
		·			·	·	
Route of exposure:	Method	Species	Effective do LD <sub>50</sub> /LC <sub>50</sub> c ATE <sub>mixture</sub>		ıre time	Results	
Oral exposure:	No information available	-	LD <sub>50</sub>		-	-	
Dermal exposure:	No information available	-	LD <sub>50</sub>		-	-	
Inhalation exposure:	No information available	-	LC <sub>50</sub>		-	-	
Specific ta	rget organ toxicity – si	ngle exposure (	(STOT SE):				
	3 3	ic effects		get organ		Note	
Oral exposure:	No information			nation available	e -		
Dermal exposure:	No information	available	No inform	nation available	e -		
Inhalation exposure	e: No information	available	No information available			-	
			:		<u> </u>		
Respirator	y irritation:	No info	rmation availab	le			
· · · · · · · · · · · · · · · · · · ·	,						
Irritation a	and corrosion						
;	Exposure time	Species	Evaluatio	n Method		Note	
Skin irritation:	-	rabbit	-	-	-		
Eye irritation:	-	rabbit	-	-	-		
					•		
Sensitizati	on						
Dermal exposure:	No information avail	able					
Inhalation exposure:	No information avail	able					
Symptom	s related to the physica	l, chemical and	toxicological ch	naracteristics			
27					n the m	outh, burnina	
Oral exposure:  Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.							
Dermal exposure:	Slight irritation. At may cause drying,	•	•		likely. l	Long-term exposure	
Inhalation exposure	Inhalation of large coughing, sneezing			ately ventilate	d perim	neter may cause	

Direct eye contact may cause slight to moderate irritation, lacrimation and burning



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Trading name:		PERIODIC ACID, 0.5 % SOLUTION					
Product code:	PK05-OT-X**	Date of compilation:	03 July 2019	Version:	3		

	Dose	Exposure time	Species		Method	Evaluation	n Note
Subacute oral	No information available	No information available	No informati available	on	No information available	No informatio available	on -
Subacute dermal	No information available	No information available	No informati available	ion	No information available	No informatio available	on -
Subacute inhalation	No information available	No information available	No informati available	ion	No information available	No informatio available	on -
Subchronic oral	No information available	No information available	No informati available	ion	No information available	No informatio available	on -
Subchronic dermal	No information available	No information available	No informati available	on	No information available	No informatio available	on -
Subchronic inhalation	No information available	No information available	No informati available	on	No information available	No informatio available	on -
Chronic oral	No information available	No information available	No informati available		No information available	No informatio available	on -
Chronic dermal	No information available	No information available	No informati available		No information available	No informatio available	on -
Chronic inhalation	No information available	No information available	No informati available		No information available	No informatio available	on -
Specific	target organ toxici	<u> </u>	xposure (S	TOT R			<b></b>
Subacute oral		Specific effects ation available		Na:	Target orga nformation avai		Note
Subacute orai		ation available			nformation avai		_
Subacute inhalat	ation available			nformation avai		_	
Subchronic oral		ation available		No information available		-	
Subchronic derm		ation available		No information available		_	
Subchronic inhal	ation No inform	ation available		No i	nformation avai	lable	-
Chronic oral	No inform	ation available		No i	nformation avai	lable	-



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				· 4.9 = 0 0 · = 0		
Trading name:	PERIODIC ACID, 0.5 % SOLUTION					
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Chronic dermal No informati		tion available		No information available	-			
Chronic inhalation No informat			tion available		No information available	-		
	CMR effects	(carcinogenicity	, mutagenicit	ty, reprod	ductive toxicity)			
	Carcinogenic	city:	Current :	studies o	n test animals did not indicate ca	arcinogenic effects.		
	Mutagenicity	ı in-vitro:	Current	in vitro	tests did not indicate mutagen	ic effects.		
	Genotoxicity:  Mutagenicity <i>in-vivo</i> :  Germ cell mutagenicity:		No infor	No information available				
			Current in vivo tests did not indicate mutagenic effects.					
			No information available  No toxicity on reproductive organs was determined in reproductive organs.					
	Reproductive							
	Summary of	evaluation of th	ne CMR prope	erties:	-			
11.2.	Practical exp	eriences:						
	Remarks rele	vant for classifi	cation:	No info	rmation available			
	Other remarks:		No information available					
11.3.	General note	es:						
	_							

SECTION	12 ECOLOGICAL	INFORMATION:
---------	---------------	--------------

#### 12.1. Toxicity

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



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			- 3
Trading name:			
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Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

#### Persistence and degradability 12.2.

Abiotic degradation

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

D: 1		
RIAN	aaraa	dation
Dioa	- Grac	aatioii

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

#### 12.3. Bioaccumulative potential

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

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

#### Bioconcentration factor (BCF)

Value	Species		Method	Evaluation	Note
No information available	No available	information	No information available	No information available	No information available



Tradin	ng nar	me.				PFR	ODI	C ACID,	0.5 % 9	SOLUT	ION	rag	C 12	01 10
Produ			PK05	-OT-X**				ompilati		3 July 2		Ver	sion	: 3
11000			1 1105	<u> </u>		Date		ompilati.	01	3 July 2			3.011	
	Chr	onic ec	otoxicit	ty		-								
	Va	llue		Dose		Exposure time	S	pecies	Meth	hod	E	valuation		Note
Chroni	c toxic	city on 1	fish	LC <sub>50</sub>	ir	lo nformation vailable		rmation ilable	No inform availab		No i avail	nformation able	-	-
Chroni crustac		city on aphnia)		EC <sub>50</sub>	ir	lo nformation vailable		ormation ilable	No inform availab	1	No i avail	nformation able	-	-
				<u> </u>	<u> </u>	i			l					
12.4.	Mol	bility in	soil											
	Kno	wn or p	oredicte	ed distributi	on	in environm	enta	compart	ments:					
	No	informa	ation av	/ailable										
	Surf	face ten	sion:											
		Value		°C		Concentration		Method			Note			
		rmation ilable		ormation ailable	No information available		No information available			-				
	Δds	orption	. / desc	orntion										
Transp		Α,	/D coef			log Kow		Evaporati	on rate	N	/lethc	od		Note
Soil-wa	ater	No availa		nformation		No information available		No information available		No information available		ation _		
Water-	-air	No availa		nformation		lo informatic vailable		No inform available	nation	No information available		ation -		
Soil-air No information available		nformation	No information available						lo information -					
12.5.				d vPvB asses	ssn	nent								
	No	informa	ation av	/ailable										
12.6	0.1													
12.6.		er adve												
	No	intorma	ation av	/ailable										



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SECTION	N 13 DISPOSAL CONSIDER	ATIONS				
13.1.	Waste treatment method	s				
13.1.1.	Product/Packaging dispo	rsal:				
		e legal person authorized by the Ministry of Environmental and Nature				
13.1.2.	Waste codes/waste design	nations according to Law:				
	No information available					
13.1.3.	Waste treatment – releva	nt information:				
	No information available					
13.1.4.	Sewage disposal – releva	nt information:				
	Waste must not be dispo	sed of into the sewage system.				
13.1.5.	Other disposal recommendations:					
	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 pro	visions:				
	-					
SECTION	N 14 TRANSPORT INFORM	MATION				
	Transporting/shipment by	road (ADR)				
UN num	ber:	Not subject to transport regulations.				
UN prop	er shipping name:					
Transport hazard class(es):		-				
Packing group:		-				
Environmentally hazardous:		-				
Special p	precautions for user:	-				
	Transporting/shipment by	rail (RID)				
UN num	ber:	Not subject to transport regulations.				
UN prop	er shipping name:	-				
Transpor	rt hazard class(es):					



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Packing	ງ group:	-
Environ	mentally hazardous:	-
Special	precautions for user:	-
	Inland waterway transport (ADI	N)
UN nun	nber:	Not subject to transport regulations.
UN pro	per shipping name:	-
Transpo	ort hazard class(es):	-
Packing	ງ group:	-
Environ	mentally hazardous:	-
Special	precautions for user:	-
	Transporting/shipment by sea	(IMDG)
UN nun	nber:	Not subject to transport regulations.
UN proper shipping name:		-
Transpo	ort hazard class(es):	-
Packing	ງ group:	-
Environ	mentally hazardous:	-
Special	precautions for user:	-
	Transporting/shipment by air (I	CAO-TI/IATA-DGR)
UN nun	nber:	Not subject to transport regulations.
UN pro	per shipping name:	-
Transpo	ort hazard class(es):	-
Packing group:		-
Environ	mentally hazardous:	-
Special	precautions for user:	-
Further	information: -	

SECTIO	ON 15 REGULATORY IN	IFORMATION
15.1.	Safety, health and env	vironmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or	restrictions of use
	Authorizations:	-
	Restrictions:	-



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	Other EU regulations:	EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council;  The European Commission Regulation No. 453/2006 of 2010 on changes and amendments to the Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH);  EC Regulation No. 2037/200 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer;  EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals;  EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants;  Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives
	Information according 1999 guideline)	7/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessment	
	None	

SECTIO	ON 16 Other information		
16.1.	Indication of changes:	-	
		PBT	Stable, bioaccumulative and toxic
		vPvB	Strongly stable and strongly bioaccumulative.
16.2.	Abbreviations and acronyms:	LD <sub>50</sub>	Lethal dose, 50%
		LC <sub>50</sub>	Lethal concentration, 50%
		STOT-SE	Specific target organ toxicity - single exposure
16.3.	Key literature references and source of data:	-	
16.4.	Classification and procedure u 1272/2008 (CLP)	sed to derive the	e classification for mixture according to Regulation (EC)
Classifi	cation	Classification pro	ocedure
-	-	•	
16.5.	Relevant H statements (number and full text)		
	H: -	•	
16.6.	Training advice:		



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Product code:	PK05-OT-X**	Date of compilation:	03 July 2019	Version: 3

		** "X" in the product code marks different volumes (different packagings of the product)
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with
		instructions for use or improper use of the product described in this
		material safety data sheet.

Δ	N	N	F	X	
$\boldsymbol{-}$		ш	_	_	

**Exposure scenario resulting to Chemical safety assessment** 



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Trading name:	SODIUM METABISULFITE, LEUKOGNOST SOLUTION				
Product code:	NMLKG-OT-X**	Date of compilation:	13 July 2021	Version:	1

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

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance	or mixture			
2.1.1	Classification according to Reg	ulation (EC) No 12	272/2008 (CLP)		
	Hazard class and catego	ory code:	Hazard statements*:		
	Eye Dam. 1		H318		
	-		EUH031		
2.1.2.	Additional information				
	-				
*For ful	ll text of Hazard- and EU Hazard-	statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	SODIUM METAE	BISULFITE, LEUKOGNOST SOLUTION		
	Identification number:	-			
	Authorization number:	-			



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Trading name:	SODIUM METABISULFITE, LEUKOGNOST SOLUTION				
Product code:	NMLKG-OT-X**	Date of compilation:	13 July 2021	Version:	1

	Hazard pictograms:	GHS05
	Signal word:	Danger
	Hazard statements:	H318 Causes serious eye damage. EUH031 Contact with acids liberates toxic gas.
	Precautionary statements:	P280 Wear protective gloves/protective clothing/eye protection/face protection.  P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P308+P313 IF exposed or concerned: Immediately call a POISON CENTER or physician.
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	-	

SECTION 3. Co	SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)		
7681-57-4/ 231-673-0/ 016-063-00-2		< 25 %	sodium metabisulfite	Acute Tox. 4, H302 Eye Dam. 1; H318 EUH031		

SECT	SECTION 4. First aid measures				
4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.			



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Trading name:	SOD	SODIUM METABISULFITE, LEUKOGNOST SOLUTION				
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	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.	
	Self-protection of the first aider:	-	
4.2	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	
	Following skin contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	
	Following eye contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	
	Following ingestion:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	
4.3	Indication of any immediate media	cal attention and special treatment needed	
	-		

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

SECTIO	ECTION 6. Accidental release measures			
6.1	Personal precautions, protective	equipment and emergency procedures		
6.1.1.	For non-emergency personnel			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.		



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	Emergency procedures:	Mark the area using proper signs.	
6.1.2.	For emergency responders:		
	Use protective equipment; in (see Section 8).	case of inadequate ventilation use adequate airways protective equipment	
6.2	Environmental precautions:		
	Do not dispose of in sewage, Protection and Rescue Directo	drainage system and waterways. In case of large spillage contact National orate (NPRD) on 112.	
6.3	Methods and material for con	tainment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.	
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.	
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).	
6.4	Reference to other sections		
	See Section 7 for information on safe handling.		
	See Section 8 for information	on personal protection equipment.	
	See Section 13 for disposal in	formation.	

SECTIO	ON 7. Handling and storage			
7.1	Precautions for safe handling			
7.1.1.	Protection measures			
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.	
	Measures to prevent aerosol and dust generatio	n:	Secure proper ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		Protect against electrostatic charges.	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.			
7.2	Conditions for safe storage, including any incompatibilities			
	Technical measures and storage conditions:	well ventila	htly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.	



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

	<b>o</b> r	pecific solu		<u> </u>				
SECTION 8. Exp	osure con	trols/perso	onal pro	tection				
8.1 Control	parameter	S						
Substar	nce	CA	S No			posure limit erm values	E	Biological limit values
				рр	m	mg/m³		
-			-	-		-	-	
		•		•	•		•	
Substance name	: -							
EC No:	-	CAS No	):	-				
DNEL	:	'	:					
				Indus	strial			
Route of	А	cute	А	cute		Chronic		Chronic
exposure:	effe	ct local	effect	systemic	e	effect local		effect systemic
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-		-		-		-	
Critical physical	oarameters	: solubility,	flammal	oility, corros	sivity:	-		
				Consi	umer			
Route of		Acute	Д	cute		Chronic		Chronic
exposure:	eff	ect local	effect	systemic	6	effect local		effect systemic
Oral	-		-		-		-	
Inhalation	-		-		-		-	
Dermal	-		-		-		-	
PNEC							•	



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Environm	ental protection target		PNEC		
Fresh wat	er		no information available		
Freshwate	er sediments		no information available		
Marine w	ater		no information available		
Marine sediments			no information available		
Food cha	in		no information available		
Microorg	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 contr	rols			
	Substance/mixture related me prevent exposure during ident		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:	t	In accordance with Section 7.		
	Organisational measures to prexposure:	event	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. Secure stations for rinsing eyes and showering.		
8.2.2.	Personal protection equipmen	t			
8.2.2.1.	Eye and face protection:	levels	glasses that stick to face (EN 166) or visor in case of lower of concentration in air; protective gas mask that covers the face in case of higher levels of concentration in air.		
8.2.2.2.	Skin protection				
	Hand protection:		otective gloves have to satisfy the specification of ation (EU) 2016/425 and the related standard EN 374.  Glove material: nitrile rubber  Glove thickness: 0.40 mm  Time until perforation: > 480 min		
	Other skin protection:	footwe entire imperr	everyday work use cotton clothing (EN 340) and suitable ear, such as rubber boots (EN 20345) or shoes that cover the foot. In case of spilling hazard, use clothing made of meable material suitable for protection from liquid chemicals PVC, himex) and footwear made from the same material.		



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8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) according to EN 14387) used when concentration levels exceed GVI.
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to prevent exposure:	See Section 6

9.1	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	colourless	No information available
	Odour:	No information available	No information available
	Odor threshold:	No information available	No information available
	pH:	No information available	No information available
	Melting point / freezing point;	No information available	No information available
	Initial boiling point and boiling range:	No information available	No information available
	Flash point:	No information available	No information available
	Evaporation rate:	No information available	No information available
	Flammability (solid, gas):	No information available	No information available
	Upper/lower flammability or explosive limits:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Vapour density:	No information available	No information available
	Relative density:	No information available	No information available
	Bulk density:	No information available	No information available
	Solubility(ies):	No information available	No information available
	Partition coefficient: n-octanol/water (log Kow):	No information available	No information available
	Auto-ignition temperature:	No information available	No information available



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	Decomposition temperature:	No information available	No information available
	Viscosity:	No information available	No information available
	Explosive properties:	No information available	No information available
	Oxidising properties:	No information available	No information available
9.2	Other information		
	-		

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

SECTION 11. Tox	icological informati	on						
11.1 Informati	on on toxicological e	effects						
Acute to	kicity:							
Route of exposure:	Method	Species	Do	se LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure t	time	Results	
Oral:	No information available	-	1	No information available			-	
Dermal:	Permal:  No information available  No information available		_		_			
Inhalation:	No information available	_	No information available		_		_	
,								
Specific t	arget organ toxicity -	- single exp	osure (S	TOT SE):				
	Specific	effects		Target o	organ	Note		
Oral:	No information av	/ailable		No information a	available	-		
Dermal:	No information av	vailable		No information a	available	-		
Inhalation:	No information av	vailable	No information available			-		
			•			•		
Aspiratio	n hazard:	ľ	No information available.					
·		1						
Irritation	and corrosion							



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		Exposur	e time	Species	Evaluation	Method	Note		
Skin corrosion/irritation	on: -		-		-	-	-		
Serious eye damage/irritation	n -		-		-	-	-		
Sensitiz		<b>.</b>		1.1					
			information available.						
Respiratory sens	itization:	No inf	ormation avail	able.					
Sympto	ms relate	d to the ph	nysical, chemic	al and toxicolog	gical characteri	stics			
Oral exposure:	На	armful if sw	allowed.						
Dermal exposure	e: Ha	armful if ab	sorbed throug	ıh skin. May caı	use skin irritati	on.			
Inhalation expos	ure: Ha	armful if in	haled. May cau	ise respiratory t	ract irritation.				
Eye exposure:	М	ay cause e	ye irritation.						
Repeate	ed dose to	oxicity (sub	acute, subchro	onic, chronic)	1	1			
	D	ose	Exposure time	Species	Method	Evaluation	n Note		
Subacute oral	No intavailabl	formation e	No information available	No information available	No information available	No informatio available	on -		
Subacute dermal	No intavailabl	formation e	No information available	No information available	No information available	No informatio available	on -		
Subacute inhalation	No int	formation e	No information available	No information available	No information available	No informatio available	on -		
Subchronic oral	No int	formation e	No information available	No information available	No information available	No informatio available	on -		
Subchronic dermal	No int	formation e	No information available	No information available	No information available	No informatio available	on -		
Subchronic inhalation	No intavailabl	formation e	No information available	No information available	No information available	No informatio available	on -		
Chronic oral	No intavailabl	formation e	No information available	No information available	No information available	No informatio available	on -		



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<u> </u>						
	No	No	No	No		

Chronic dermal	No availa	information able	No information available	No inform availat		No information available	No information available	on	-
Chronic No information inhalation available			No information available	No inform availat		No information available	No information available		-
Specifi	c target	organ toxicit	y – repeated e	ynosure	(STOT	RE)·			
эресп	e target	organ toxicit	Specific effection		(3101	Target o	rgan		Note
Subacute oral		No informa	tion available			No information		_	
Subacute derm	al		tion available			No information		_	
Subacute inhala			tion available			No information		_	
Subchronic oral No information available						No information		-	
Subchronic der	mal	No informa	tion available			No information	available	-	
Subchronic inha	alation	No informa	tion available			No information	available	-	
Chronic oral		No informa	tion available			No information	available	-	
Chronic dermal		No informa	tion available			No information	available	-	
Chronic inhalati	on	No informa	tion available			No information	available	-	
CMR e	ffects (c	arcinogenicity	y; mutagenicit	y; reproc	luctive t	toxicity)			
Carcin	ogenicit	y:		Based on available data, the classification criteria are not met.					
Mutag	enicity i	n vitro:		Based on available data, the classification criteria are not met.					
Genot	oxicity:			Based c	n availa	able data, the cla	ssification c	riteria	a are not met.
Mutag	enicity i	n vivo:		Based on available data, the classification criteria are not met.					
Germ	cell muta	agenicity:		Based on available data, the classification criteria are not met.					
Repro	ductive t	oxicity:		Based on available data, the classification criteria are not met.					
Summ proper	,	evaluation	of the CN	MR Bas		available data, t	he classifica	ation	criteria are not
11.2 Practic	al exper	ioncos:							
	•	bservations:		No	inform	ation available			
	observa					ation available			
				110					
11.3 Genera	al notes:			i 					
_									



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12.1 Toxicit								1
Acute (short-te toxicity	rm)	Dose	Exposur time	Species	Method	Eva	aluation	Note
Fish	Fish LC <sub>50</sub> 96 hours		No information available	No information available	No infor availa	mation able	-	
Crustacea: EC <sub>50</sub> 48		48 hours	No information available	No information available	No informavaila	mation able	-	
Algae/aquatic μ	olants	IC <sub>50</sub>	4 days	No information available	No information available	No informavaila	mation able	-
Other organism	าร	_	-	-	-	-		-
Chronic (long-t toxicity	erm)	Dose	Exposur time	Species	Method	Eva	aluation	Note
Fish	-		No information available	No information available	No informavaila	mation able	-	
Crustacea:		EC <sub>50</sub>	48 hours	No information available	No information available	No information available		-
Algae/aquatic p	olants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available		-
Other organism	าร	-	-	-	-	-		-
12.2 Persist	ence a	nd degrada	bility					
Abioti	c degra	dation						
	De	gradation h	alf-lives	Method	Evaluatio	on		Note
Marine water	No ir	formation a	available	No information available	No information	on	-	
Fresh water	No in	formation a	available	No information available	No information	on	-	
Air	No in	information available		No information available	No information	on	-	
Soil	No in	formation a	available	No information available			-	
Biode	gradatio	on						
% Degradation	าท	Time (	days)	Method	Evaluation	าท		Note



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	t code:	NMI K	G-OT-X**				mpilati	-		y 2021		ersion:	1
110000			<u> </u>		Date	. 0. 00.	Прпасі	<u> </u>	10 741	,			
No info availabl	nformation No information available				No information available		No information available						
12.3	Bioaccumu	ılative po	otential										
	Octanol-w			icient (	log Kow	)							
Valu	e Cor	ncentrati	on p	Н	°C	Me	ethod		Evalu	ation		Note	
-	-		-		_	_		-			-		
				-									
	Bioconcen	tration fa	actor (BCF)										
٧	'alue		Species		Ŋ	Method	l		Evaluati	on		Note	
	rmation	No	inform	ation	No info		n		nformati	on	<u>-</u>		
availabl	е	availabl	le		availab	le		available					
	Chronic ec	otoxicity	<u>'</u>	<u> </u>				1 1 1 1 1 1					
	Value		Dose		osure ime	Spe	ecies	Мє	ethod	Eval	uation	Not	te
Chronic	toxicity on	fish	LC <sub>50</sub>	No	mation	No inforr availa	mation Ible	information info		No inforn availa		-	
	toxicity on ea ( <i>Daphnia</i> )		EC <sub>50</sub>	No infor availa	mation able	No inforr availa	mation Ible	No infor availa	mation able	No information available		-	
						•		•		•			
12.4	Mobility in	soil											
	Known or I	oredicted	d distributi	on in e	environm	nental c	compart	ments					
	No informa	ation ava	ailable										
	Surface ter	nsion:											
	Value		°C	C	oncentra	ation		Metl	hod			Note	
	No informatio available		ormation ilable		informa ilable	tion	No inf availal	formati ble	on	-			



Other disposal recommendations:

13.1.5.

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

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A	Adsorption	n / desorption					
Transport	A/D coefficient		log Kow	Evaporation rate	Method	Note	
Soil-water	r No availa	information ble	No information available	No information available	No information available	-	
Water-air	No availa	information able	No information available	No information available	No information available	-	
Soil-air	No availa	information ble	No information available	No information available	No information available	-	
12.5 R	Results of	PBT and vPvB asses	ssment				
	Not applic		Sillelli				
i							
12.6 C	Other adve	erse effects					
		erse effects relevant information	on available.				
٨	No further	relevant information					
SECTION	No further	relevant information					
SECTION	No further	relevant information					
٨	13. Dispo	relevant information	s				
SECTION 13.1	13. Dispo Waste tro	psal consideration eatment methods Packaging disposa or disposal to the le	s  :	rized by the Minist	ry of Environmental	I and Nature	
SECTION 13.1 13.1.1.	13. Dispo Waste tro Product/ Submit for Protection	psal consideration eatment methods Packaging disposa or disposal to the le	s l: egal person autho	·	ry of Environmental	I and Nature	
SECTION 13.1 13.1.1.	13. Dispo Waste tro Product/ Submit for Protection	psal consideration eatment methods Packaging disposa or disposal to the land.	s: egal person autho	Law:	ry of Environmental		ous
SECTION 13.1 13.1.1.	Product/ Submit for Protection  Waste control  Waste control  Substance	psal consideration eatment methods Packaging disposa or disposal to the land.	s: egal person autho ations according to	Law:			DUS
SECTION 13.1 13.1.1.	13. Dispo Waste tro Product/ Submit for Protection Waste con 15 01 10 substance	psal consideration eatment methods Packaging disposa or disposal to the loon. odes/waste designate: Packaging that cores	s: egal person autho ations according to	Law:			pus
SECTION 13.1	Product/ Submit for Protection  Waste control  No inform	psal consideration eatment methods Packaging disposa or disposal to the land. edes/waste designate: Packaging that conserved	l: egal person autho ations according to ontains residual ha	Law:			pus



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	authorized by the ministry in cl	s remains into the sewage system. Submit the remains to the collectors narge. Do not dispose of the packaging into the sewage system. Submit authorized by the ministry in charge.
13.1.6.	Relevant Community provision	s:
	Disposal must be made accord	ing to official regulations.
SECTION	I 14 TRANSPORT INFORMATIO	N .
	Transporting/shipment by road (	ADR)
UN number:		Not subject to transport regulations
UN proper shipping name:		-
Transport hazard class(es):		-
Packing (	group:	-
Environm	nentally hazardous:	-
Special p	recautions for user:	-
	Transporting/shipment by rail (R	ID)
UN numl	ber:	Not subject to transport regulations
UN prop	er shipping name:	-
Transpor	t hazard class(es):	-
Packing (	group:	-
Environm	nentally hazardous:	-
Special p	recautions for user:	-
	Inland waterway transport (ADN)	
UN numl	ber:	Not subject to transport regulations
UN prop	er shipping name:	-
Transpor	t hazard class(es):	-
Packing (	group:	-
Environm	nentally hazardous:	-
Special p	recautions for user:	-
	Transporting/shipment by sea (IN	MDG)
UN numl	ber:	Not subject to transport regulations
UN prop	er shipping name:	-
Transpor	t hazard class(es):	-
Packing (	group:	-
Environm	nentally hazardous:	-
Special p	recautions for user:	-
	t in bulk according to Annex II OL 73/78 and the IBC code:	-



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Not subject to transport regulations	
-	
-	
-	
-	
-	
<del>-</del>	
_	

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture  EU regulations  Authorization and/or restrictions of use		
	Authorizations:	-	
	Restrictions:	-	
	Other EU regulations:	EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council; Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH); EC Regulation No. 2037/200 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer; EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals; EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants; Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives	
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)		
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act	
15.2	Chemical safety assessme	ent	
	None		



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SECTION	ON 16	5. Other information			
16.1	Ind	ication of changes:	-		
			PBT	Stable, bioaccumulative and toxic	
			vPvB	Strongly stable and strongly bioaccumulative.	
16.2	Abl	oreviations and acronyms:	LD <sub>50</sub>	Lethal dose, 50%	
			LC <sub>50</sub>	Lethal concentration, 50%	
			TCOJ	Specific target organ toxicity - single exposure	
16.3.		viliterature references and arce of data:	-		
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classif	assification		Classification procedure		
-			-		
16.5.	Relevant H statements (numl		per and full t	text)	
	H302 Harmful if swal		Harmful if	swallowed.	
	H: H318 Causes serious eye damage.		ious eye damage.		
		EUH031	Contact with acids liberates toxic gas.		
16.6.	. Training advice: -				
			** "X" in th	e product code marks different volumes (different packagings of it)	
16.7.			instruction	responsible for consequences in case of failure to comply with s for use or improper use of the product described in this fety data sheet.	

ANNEX: Exposure scenario resulting to chemical safety assessment			
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