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Trading name:	SODIUM NITRITE, SOLUTION				
Product code:	NAN-OT-X**	Date of compilation:	24 June 2021	Version:	1

1.1	Product identifier					
	Trading name:	SODIUM NI	ITRITE, SO	LUTION		
	Chemical name:	-				
	Catalogue number:	NAN-OT-X	* *			
1.2	Relevant identified uses of the substance or mixture and uses advised against			nixture and uses advised against		
	Uses:	Uses:		in cytochemical diagnostics.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advi	sed against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Production 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:		BioGnos	t Ltd.		
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTION	ON 2. Hazards identification	1			
2.1	Classification of the substance or mixture				
2.1.1	Classification according to	Regulation (EC) No 1	272/2008 (CLP)		
	Hazard class and category code: Hazard statements*:				
	Not identified as hazardous substance				
2.1.2.	Additional information				
	-				
*For fu	ıll text of Hazard- and EU Haz	ard-statements: see	SECTION 16		
2.2	Label elements				
	Product identification:	SODIUM NITRI	TE, SOLUTION		
	Identification number:	-			
	Authorization number:	-			
	Hazard pictograms:	-			
	Signal word:	-			



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	Hazard statements:	-
	Precautionary statements:	-
	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)			
7632-00-0/ 231-555-9/ 007-010-00-4	01-2119471836-27	<5%	sodium nitrite	Ox. Sol. 3; H272 Acute Tox. 3; H301 Eyelrrit.2A; H319 Aquatic Acute 1; H400			

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



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	Following ingestion:	Danger of gastric perforattion.
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, foam, dry powder, CO ₂ or alcohol resistant foam.			
	Unsuitable extinguishing media:	Water with full jet.			
5.2	Special hazards arising from the substance or mixture				
	Hazardous combustion products:	Nitrogen oxides (NOx). During heating or in case of fire poisonous gases are produced.			
5.3	Advice for firefighters				
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.				
5.4	Additional information				
	Do not contaminate the environment	ent with extinguishing media.			

SECTIO	ON 6. Accidental release meas	ures	
6.1	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
	Protective equipment:	Use personal protective equipment (see Section 8).	
	Accident prevention methods:	Evacuate members of all non-essential personnel and those members without protective equipment. 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 case of inadequate ventilation use adequate airways protective equipment (see Section 8).		
6.2	Environmental precautions:		
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.		
6.3	Methods and material for cont	ainment 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 involved materials with water.	



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6.3.3.	Other information: 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.					

SECTI	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.	
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		-	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. The	noroughly was	sh hands after work and before eating.	
7.2	Conditions for safe storage, including any incon	mpatibilities		
	Technical measures and storage conditions:		ghtly closed and upright set containers at ares ranging from +2 to +8 °C.	
	Packaging materials:	Manufactu containers	urer's original packaging. Avoid metal s.	
	Requirements for storage rooms and vessels:	Keep away	y from food and drink. Keep the containers sed.	
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no that directly leads into sewage system. Secure proventilation.		
	Further information on storage conditions:	and do no	ace the unused material in the storage room of use empty containers for storing other. Do not store with incompatible materials on 10).	
7.3	Specific end use(s)			
	Recommendations:	-		
	Industrial sector specific solutions:	-		

SECTION	ON 8. Exposure controls/personal protection
8.1	Control parameters



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	•		·								
Substance					Occupational exposure limit values/short term values			Biolog	Biological limit values		
				р	pm	mg/	/m³	_	,		
-			-		-	-			-		
				•							
Substance name:	-										
EC No:	-	CAS No	: -								
DNEL											
				Ind	ustrial						
Route of	Acı	ıte	Acut	te		Chro	nic		Chronic		
exposure:	effect	local	effect sys	stemic		effect l	ocal		effect systemic		
Oral	-		-		-			-			
Inhalation	-		-		-			-			
Dermal	-		-		-			-			
Critical physical parameters: solubility, flammability, corrosivity:											
	_			Con	sumer						
Route of	Acı	ute	Acu	te	Chronic			Chronic			
exposure:	effect	local	effect sys	stemic	effect local				effect systemic		
Oral	-		-		-			-			
Inhalation	-		-		-			-			
Dermal	_		-								
PNEC											
Environmental pro	tection tar	get			PNEC						
Fresh water					no information available						
Freshwater sedime	nts				no information available						
Marine water					no information available						
Marine sediments					no information available						
Food chain					no information available						
Microorganisms in	sewage tr	eatment			no information available						
Soil (agricultural)				no information available							
Air				no inform	nation av	vailable					
8.2 Expos	ure contro	ls									
8.2.1. Appro	priate eng	ineering	controls								



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	Substance/mixture related measu prevent exposure during identifie		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.				
	Structural measures to prevent exposure:		In accordance with Section 7.				
	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to prevent ex	posure:	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	nt					
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of levels of concentration in air; protective gas mask that covernities entire 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:		r antistatic clothing made of natural fibers (such as cotton) long sleeves (EN 340) and shoes that cover the entire foot.				
8.2.2.3.	Respiratory protection:	1	quired under normal conditions of use. Use suitable atory protective device when high concentrations are at.				
8.2.2.4.	Thermal hazards:	No info	ormation available				
8.2.3.	Environmental exposure controls						
	Substance/mixture related measures to prevent exposure:	See Se	ection 6				
	Structural measures to prevent exposure:	Use m	odern equipment.				
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the lace.				
	Technical measures to prevent exposure:	See Se	ction 6				

SECT	SECTION 9. Physical and chemical properties						
9.1	Information on basic physical and chemical properties						
		Value	Method				
	Physical state:	Liquid	Visual inspection				
	Colour:	Colourless	Visual inspection				
	Odour:	No information available	No information available				
	Odor threshold:	No information available	No information available				
	pH:	No information available	No information available				



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	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
	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
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 dangerous reactions known.			
10.4	Conditions to avoid:	No information available			
10.5	Incompatible materials:	No information available			
10.6	Hazardous decomposition products:	No information available			

SECTIO	SECTION 11. Toxicological information							
11.1	Information on toxicological effects							
	Acute toxicity:							
Route of exposure:		Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results		



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		·	i					·		·
Oral:	_ !	No information available		-		No information available			-	
Dermal:		No information available		-		No information available			-	
Inhalation:		No information available		-		No info	ormation le		-	
Specific	target organ toxici	, ,	sure (S	TOT SE):						
	Spe	cific effects			Target o				Note	
Oral:	No information	n available		No info	rmation a	vailable	-			
Dermal:	No information	n available		No info	rmation a	vailable	-			
Inhalation:	No informatio	n available		No info	rmation a	vailable	-			
Aspiration	on hazard:	N	o inforr	nation a	vailable.					
,		,								
Irritation	and corrosion									
· ·	Exposu	re time	Speci	es	Evaluatio	on N	1ethod		Note	
Skin corrosion/irritation	- -	-					-			
Serious eye	, 11.									
damage/irritation	-	_			-		-			
	1			i		!	i			
Sensitiza	ation									
Skin sensitization	: -									
Respiratory sensi	tization: -									
	:									
Symptor	ms related to the p	hysical, chemic	al and to	oxicolog	ical chara	cteristic	S			
Oral exposure:	No informa	tion available.								
Dermal exposure	: No informa	tion available.								
Inhalation exposu	ure: No informa	tion available.								
Eye exposure:	No informat	tion available.								
Repeate	d dose toxicity (su	bacute, subchro	nic, chr	onic)						
	Dose	Exposure time	Specie		Method		Evaluatio	n	Note	
Subacute oral	No information available	No information available	No inform availal		No informa available		No informat available		-	



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Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

Specific target organ	toxicity – repeated	exposure (STOT RE):
	c :c: (c	

	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-
Chronic inhalation	No information available	No information available	-

CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)					
Carcinogenicity:	No information available.				
Mutagenicity in vitro:	No information available.				



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	Genotoxicity:	No information available.
	Mutagenicity in vivo:	No information available.
	Germ cell mutagenicity:	No information available.
	Reproductive toxicity:	No information available.
	Summary of evaluation of the CMR properties:	No information available.
11.2	Practical experiences:	
	Classification observations:	-
	Other observations:	-
11.3	General notes:	
	-	

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

12.2	Persistence and degradability
	Abiotic degradation



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	De	egradation half	-lives	Ŋ	Method	Evaluatio	n	Note	
Marine water	No i	information ava	ilable	No inf availal	formation ole	No information available	n _		
Fresh water	No information available				No information available				
Air	No i	nformation ava	ilable	No inf availal	formation ole	No information available	n -		
Soil	No i	information ava	nilable	No inf availal	formation ole	No information available	n -		
Biodeg	gradati	ion							
% Degradation	on	Time (da	ys)	N	Method	Evaluatio	n	Note	
No information available	l	No info available	rmation	No int	formation ble	No information available		information ailable	
12.3 Bioacc	umula	ative potential							
Octano	ol-wat	er partition coe	efficient (log Kov	v)				
Value	Conc	entration	рН	°C Method		Evaluation		Note	
		-			_	-		_	
Biocor	ncentra	ation factor (BC	.F)						
Value		Species			Method	Evaluati	on	Note	
No information available		No infor Ivailable	mation	No information available		No information	on -		
Chron	ic ecot	toxicity							
Value	9	Dose	•	osure ime	Species	Method	Evaluation	on Note	
Chronic toxicity	on fis	sh LC ₅₀	No infor availa	mation able	No information available	No information available	No informatio available	on -	
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No	mation	No information	No information	No informatio	-	



13.1.2.

Waste codes/waste designations according to Law:

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

Trading	g name	e:		SC	DIUN	1 NITRITE, S	OLUTIO	N		
Produc	ct code	: N	AN-OT-X** Date of		of co	f compilation: 24 June 20			Version:	1
					•••					
				available	availa	ıble avail	able	available		
12.4	Mohil	lity in so	il							
12,4	1	-	<u>''</u> dicted distributi	on in environm	ental c	ompartments	<u>.</u>			
		······································	on available			.opar ciriones	•			
		ce tensic								
	Va	alue	°C	Concentra	tion	Met	hod		Note	
	No inforn availa	nation ble	No information available	No informat	tion	No informat available	ion	-		
	Adsor	ption / o	desorption		-				1	
Transpo	ort	-	coefficient y's constant	log Kow	Eν	aporation rat	e M	ethod	Note	
Soil-wa	tor :	No available	information			o information ailable	No inf availat	ormation ole	-	
Water-a	air	No available	information	No information available	available	o information ailable		No information available	-	
Soil-air		No available	information	No information		o information ailable	ation No infor	ormation ble	-	
	:									
12.5	Result	ts of PBT	and vPvB asses	ssment						
	No in	formatic	on available							
12.6	Other	adverse	effects							
			on available							
	1									
SECTIO	N 13. I	Disposa	l consideration	S						
13.1	Was	ste treati	ment methods							
13.1.1.	Prod	duct/Pac	ckaging disposa	l:						
		mit for o	disposal to the l	egal person aut	horize	d by the Minis	stry of Env	ironmenta	l and Nature	

Packaging that contains residual hazardous substances or is contaminated with hazardous substances



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13.1.3.	Waste treatment – relevant	t information:				
	No information available					
12.1.4	Sawaga disposal – relevant information:					
	5 1					
	Waste must not be dispose	ed of into the sewage system.				
13.1.5.	Other disposal recommend	dations:				
	authorized by the ministry	duct's remains into the sewage system. Submit the remains to the collectors in charge. Do not dispose of the packaging into the sewage system. Submit ctors authorized by the ministry in charge.				
13.1.6. I	Relevant Community provi	sions:				
	-					
	14 TRANSPORT INFORMA					
<u>i</u>	ansporting/shipment by ro					
UN numbe	r:	Not subject to transport regulations				
UN proper	shipping name:	-				
Transport h	nazard class(es):	-				
Packing group:		-				
Environmentally hazardous:		-				
Special pre	cautions for user:	-				
Tr	ansporting/shipment by ra	il (RID)				
UN numbe	r:	Not subject to transport regulations				
UN proper	shipping name:	-				
Transport h	nazard class(es):	-				
Packing gro	oup:	-				
Environme	ntally hazardous:	-				
Special pre	cautions for user:	-				
In	land waterway transport (A	ADN)				
UN number:		Not subject to transport regulations				
UN proper shipping name:		-				
Transport hazard class(es):		-				
Transporti						
Packing gro	oup:					
Packing gro	oup: ntally hazardous:	-				



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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:	-
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:	-
Further information: -	

SECTI	ON 15. Regulatory informa	ation			
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:	-			
	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			



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	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)					
	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	Ind	cation of changes:	-		
			PBT	Stable, bioaccumulative and toxic	
			vPvB	Strongly stable and strongly bioaccumulative.	
16.2	Abk	previations and acronyms:	LD ₅₀	Lethal dose, 50%	
			LC ₅₀	Lethal concentration, 50%	
			TCOJ	Specific target organ toxicity - single exposure	
16.3.		literature references and rce of data:	-		
16.4.		ssification and procedure 2/2008 (CLP)	used to derive th	e classification for mixture according to Regulation (EC)	
Classifi	icatior	١	Classification procedure		
_			-		
16.5.	Relevant H statements (numb		per and full text)		
		H272	May intensify fi	re; oxidizer.	
	H:	H301	Toxic if swallow	ed.	
		H319	Causes serious eye irritation.		
		H400	Very toxic to aq	uatic life.	
16.6.	Trai	ning advice:	-		
	7. Further information:		** "X" in the pro the product)	oduct code marks different volumes (different packagings of	
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:		SOLUTION	_		
Product code:	FGGBC-OT-X**	Date of compilation:	24 June 2021	Version:	1

SECTI	ON 1: Identification of t	the substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name:	FAST GARN	IET GBC, S	OLUTION		
	Chemical name:	-				
	Catalogue number:	FGGBC-OT-	X**			
1.2	Relevant identified uses of the substance or mixture and uses advised against			nixture and uses advised against		
	Uses:		For use	in cytochemical diagnostics.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advis	dvised against: med		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 p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection an	nd Rescue Dire	ectorate:	112		
	Medical information:	Medical information:		+385 1 2348 342		
	Other information:			-		

SECTIO	ECTION 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and categ	ory code:	Hazard statements*:			
	Acute Tox. 4 (Oral)		H302			
	Skin Sens. 1		H317			
	Carc. 1B		H350			
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: FAST GARNET GBC, SOLUTION					
	Identification number: -					
	Authorization number: -					



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Trading name:	FAST GARNET GBC, SOLUTION				
Product code:	FGGBC-OT-X**	Date of compilation:	24 June 2021	Version:	1

Haz	ard pictograms:	GHS07 GHS08
Sign	nal word:	Danger
Haz	ard statements:	H302 Harmful if swallowed.H317 May cause an allergic skin reaction.H350 May cause cancer.
Pred	cautionary statements:	 P201 Obtain special instructions before use. P234 Keep only in original packaging. P280 Wear protective gloves. P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	plemetal hazard rmation (EU):	-
2.3 Oth	er 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)			
111-46-6/ 203-872-2/ 603-140-00-6	01-2119457857-21- XXXX	>50%	diethylene glycol	Acute Tox. 4; H302			
97-56-3/ 202-591-2/ 611-006-00-3	-	<10%	4-o-tolylazo-o-toluidine	Carc. 1B; H350 Skin Sens. 1; H317			

SECTIO	CTION 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.			



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	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.		
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.		
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.		
	Following ingestion:	Rinse the 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:	Danger of gastric perforation.		
	Indication of any immediate medical attention and special treatment needed			
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, CO2 Large fire - water spray 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				
	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		



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Trading name:	FAST GARNET GBC, SOLUTION				
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	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.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Use protective equipment; in c (see Section 8).	ase of inadequate ventilation use adequate airways protective equipment		
6.2	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.			
6.3	Methods and material for containment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand 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 involved materials with water.		
6.3.3.	Other information:	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	TION 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.			
	Measures to prevent aerosol and dust generation	n:	Secure proper ventilation.			
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.			
	Other measures:		-			
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. Th	oroughly wash	n hands after work and before eating.			
7.2	Conditions for safe storage, including any incompatibilities					
	Technical measures and storage conditions:		ntly closed and upright set containers at es ranging from +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. Expos	ure contro	ols/perso	nal protec	tion			
8.1 Control p	arameters						
Substance C.		CA	CAS No			xposure limit erm values	Biological limit values
				ppr	n	mg/m³	
-			-	-		-	No information available
Substance name:	_						
EC No:	-	CAS No	:				
DNEL		ı					
				Indus	trial		
Route of exposure:	Acu effect		Acut effect sys				Chronic effect systemic
Oral	-		-		-		-
Inhalation	-		-		-		-
Dermal	-		-		-		-
Critical physical pa	rameters: s	solubility,	flammabilit	ty, corros	ivity:	-	
				Consu	ımer		
Route of exposure:	Act effect		Acu effect sy			Chronic effect local	Chronic effect systemic
Oral	-		-		-		-
Inhalation	-	-	-		-		-
Dermal	_		-		-		-



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PNEC					
Environm	ental protection target		PNEC		
Fresh wat	er		no information available		
Freshwater 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 (agrid	cultural)		no information available		
Air			no information available		
8.2	Exposure controls				
8.2.1.	Appropriate engineering contr	ols			
	Substance/mixture related mea		nrotective equipment 1)0 not eat drink or smoke in the		
	Structural measures to prevent exposure:	•			
	Organisational measures to pre exposure:	event			
	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 equipment	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:	Protec	ective nitrile gloves, >0.11 mm thick (EN 374).		
	Other skin protection:		r antistatic clothing made of natural fibers (such as cotton) long sleeves (EN 340) and shoes that cover the entire foot.		
8.2.2.3.	Respiratory protection:	respira	Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present.		
8.2.2.4.	Thermal hazards:	No inf	formation available		
8.2.3.	Environmental exposure contro	ols			
	Substance/mixture related measures to prevent exposure:		ction 6		



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

Information on basic physical and	chemical properties	
	Value	Method
Physical state:	Liquid	Visual inspection
Colour:	Orange / brown	Visual inspection
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
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



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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 dangerous reactions known.			
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	Information	on toxicolog	gical effects					
	Acute toxic							
Route o		Method	Species	Do	se LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure t	ime	Results
Oral:		_	No informatior available	า	_	No information	n	_
Dermal:		-	No informatior available	า	-	No information	n	-
Inhalatio	on:	-	No information available	1	-	No information	on	-
	Specific tar	get organ tox	kicity – single exp	oosure (S	TOT SE):			
		S	pecific effects	Target organ			Note	
Oral:		No informat	ion available		No information available		-	
Dermal:		No informat	ion available		No information available		-	
Inhalatio	on:	No informat	ion available		No information available			
	Aspiration l	nazard:		lo information available.				
	Irritation an	d corrosion						
		Expc	sure time	Spec	ies Evaluat	ion Method		Note
Skin corrosic	on/irritation:	-	-	_	-	-	-	
Serious damage	eye e/irritation	-	-	-	-	-	-	
	Sensitizatio	n						



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Respiratory sensitization: -							
Sympto	ms rel	ated to the ph	nysical, chemic	al and toxicolog	ical characteristi	CS	
Oral exposure:		No informati	on available.				
Dermal exposure	:	No informati	on available.				
Inhalation exposi	ure:	No informati	on available.				
Eye exposure:		No informati	on available.				
Repeate	d dos	e toxicity (sub	acute, subchro	onic, chronic)		,	
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral		information lable	No information available	No information available	No information available	No information available	-
Subacute dermal	No avail	information lable	No information available	No information available	No information available	No information available	-
Subacute inhalation	No avail	information lable	No information available	No information available	No information available	No information available	-
Subchronic oral	No avail	information lable	No information available	No information available	No information available	No information available	-
Subchronic dermal		information lable	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No avail	information lable	No information available	No information available	No information available	No information available	-
Chronic oral		information lable	No information available	No information available	No information available	No information available	-
Chronic dermal	No avail	information lable	No information available	No information available	No information available	No information available	-
Chronic inhalation		information lable	No information available	No information available	No information available	No information available	-
Specific	Specific target organ toxicity – repeated exposure (STOT RE):						
Specific effects Target organ Note							



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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	onic dermal	No information available	No information available	-			
Subchr	onic inhalation	No information available	No information available	_			
Chroni	c oral	No information available	No information available	-			
Chroni	c dermal	No information available	No information available	_			
Chroni	c inhalation	No information available	No information available	-			
	CMR effects (c	arcinogenicity; mutagenicity; re	eproductive toxicity)				
	Carcinogenicit		Current studies on test animals did not indicate carcinogenic effects.				
	Mutagenicity i	n vitro:	Current in vitro tests did not indicate r	nutagenic effects.			
	Genotoxicity:		No information available.				
	Mutagenicity i	n vivo:	Current in vivo tests did not indicate mutagenic effects.				
	Germ cell muta	agenicity:	No information available.				
	Reproductive t	oxicity:	No toxicity on reproductive organs wa reproductive organs.	s determined in			
	Summary of properties:	evaluation of the CMR	No information available.				
11.2	Practical exper	iences:					
	Classification c		No information available				
	Other observa	tions:	No information available				
11.3	General notes:						
	-						

SECTION 12. Ecologic	SECTION 12. Ecological information									
12.1 Toxicity	12.1 Toxicity									
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note				
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-				



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Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	No information available	-
Other organisms	-	72 hours	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	_	_	-	_	_

12.2 Persistence and degradability

		dation

	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

<u> </u>				
% Degradation	Time (days)	Method	Evaluation	Note
No information available	No information available	No information available	No information available	-

12.3 Bioaccumulative potential



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Valu	ie Co	oncentra	tion p	Н	°C	M	ethod		Evalu	ation		Note
-		informat lable	ion -		_	No info	ormation le		No inforn available	nation	-	
	Bioconce	ntration	factor (BCF)								
V	/alue		Species	<u> </u>	ľ	Method	t		Evaluati	on		Note
No info	ormation le	No availal	inforn	nation	No info		on		informati lable	on	No in availa	formation ble
	Chronic e	ecotoxici	ty			-				*		
	Value		Dose		oosure ime	Spe	ecies	М	ethod	Evalu	ıation	Note
Chronic toxicity on fish LC ₅₀		No infor avail	mation able	No infori availa	mation able		rmation lable	No inform availak		-		
	c toxicity or ea (<i>Daphni</i>		EC ₅₀	No infor avail	mation able	No infori availa	mation able		rmation lable	No inform availab		-
12.4	Mahilitu	::1										
12.4	Mobility		ad dictribut	ion in a	onvironn	oontal (comparti	mont	r·			
	No inforr		ed distribut	.1011 111 (CI IVII OI III	icilidi (Jonnparti	nent	.			
	Surface to		valiable									
	Value		°C		oncentra	ation		Me	thod			Note
	No informati available	on inf		No	informa ailable		No info	ormat		-		
	Adsorption		•						**************************************			
Transpo	∩rt	A/D coe [.] Henry's c		lo	og Kow	Ev	/aporatio	on rat	te	Method		Note



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Trading	name:		FAST	GARNET GBC, S	OLUTION		
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Soil-wate	No er availa	information able	No information available	No information available	No information available	-	
Water-ai	r No availa	information able	No information available	No information available	No information available	-	
Soil-air	No availa	information able	No information available	No information available	No information available	-	
		PBT and vPvB asses	ssment				
		erse effects					
	No inform	nation available					
CECTION	142 B'						
		osal consideration	<u>s</u>				
13.1	waste tr	reatment methods					
13.1.1.	Product	/Packaging disposa	l:				
		for disposal to the l		rized by the Minis	try of Environmenta	and Nature	
13.1.2.	Waste o	odes/waste designa	ations according to	a Law:			
		mation available		<i>y</i> = u ····			
13.1.3.	Waste tr	reatment – relevant	information:				
	No infor	mation available					
13.1.4.	Sewage	disposal – relevant	information:				
		nust not be dispose		ge system.			
13.1.5.	Other di	isposal recommend	ations:				
	authoriz the pack	ed by the ministry i	n charge. Do not o	dispose of the pac	n. Submit the remain kaging into the sewa arge. Do not disposo	age system. Sul	bmit
13.1.6.	Relevant	t Community provis	ions:				
	-						



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Transporting/shipment by road (ADR)
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 (II	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:	-



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Special precautions for user:	-
Further information: -	

5.1	Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture
	EU regulations	
	Authorization and/or rest	rictions of use
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	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	

SECTION 16. Other information		
	16.1 Indication of changes:	-



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16.2	Abbreviations and acronyms	PBT Stable, bioaccumulative and toxic vPvB Strongly stable and strongly bioaccumulative. LD ₅₀ Lethal dose, 50% LC ₅₀ 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)		
Classification		Classification procedure		
-		-		
16.5.	Relevant H statements (num	per and full text)		
	H: H302	Harmful if swallowed.		
	H317	May cause an allergic skin reaction.		
	H350	May cause cancer.		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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Product code:	NAP-OT-X**	Date of compilation:	24 June 2021	Version:	1	

SECTI	ON 1: Identification of t	the substance	e/mixture	and of the company/undertaking	
1.1	Product identifier				
	Trading name:	ACP BUFFE	R		
	Chemical name:	-			
	Catalogue number:	NAP-OT-X**			
1.2	Relevant identified uses of the substance or mixture and uses advised against			nixture and uses advised against	
	Uses:		For use	in cytochemical diagnostics.	
	Uses advised against:		Only the	e identified uses are advised.	
	Reason why uses advis	sed against:	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:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson:	msds@b	<u>piognost.hr</u>	
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection ar	nd Rescue Dire	ectorate:	112	
	Medical information:	on:		+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 Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and ca	tegory code:	Hazard statements*:		
	Not identified as hazardous substance				
2.1.2.	Additional information				
	-				
*For fu	II text of Hazard- and EU Haza	ard-statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	ACP BUFFER			
	Identification number:	-			
	Authorization number:	-			
	Hazard pictograms:	-			
	Signal word:	-			



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	Hazard statements:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	-	

SECTION 3. Composition/information on ingredients								
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)				
_	-	_	Contains no hazardous substances	-				

4.1	Description of first aid measures							
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.						
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.						
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.						
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.						
	Following ingestion:	Rinse the 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 ef	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:	Danger of gastric perforation.						
4.3	Indication of any immediate medi	cal attention and special treatment needed						



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SECTIO	SECTION 5. Firefighting measures					
5.1	Extinguishing media					
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO2 Large fire - water spray or alcohol-resistant foam				
	Unsuitable extinguishing media: Water with full jet					
5.2	Special hazards arising from the su	ubstance 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					
	Do not contaminate the environme	ent with extinguishing media.				

SECTIO	ON 6. Accidental release measu	ıres					
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.					
	Emergency procedures:	Mark the area using proper signs.					
6.1.2.	For emergency responders:						
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).						
6.2	Environmental precautions:						
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.						
6.3	Methods and material for cont	ainment 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 involved materials with water.					
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).					
6.4	Reference to other sections						



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See S	ection 7 for information on safe handling.
See S	ection 8 for information on personal protection equipment.
See S	ection 13 for disposal information.

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.			
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.			
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.			
	Other measures:		-			
7.1.2.	Advice on general occupational hygiene:	away from sources of ignition and heat. Secure proper ventilation. Prevent spilling into the sewage system and waterways. - ne: kspace. Thoroughly wash hands after work and before eating. any incompatibilities itions: Keep in tightly closed and upright set containers at temperatures ranging from +2 to +8 °C. Manufacturer's original packaging. Avoid metal containers. Keep away from food and drink. Keep the containers tightly closed. The storage must be made of hard material; floors must be resistant to chemicals. There must be no drathat directly leads into sewage system. Secure proper ventilation. Do not place the unused material in the storage roo				
	Do not eat, drink or smoke in the workspace. The	noroughly was	sh hands after work and before eating.			
7.2	Conditions for safe storage, including any incon					
	Technical measures and storage conditions:		, ,			
	Packaging materials:		3 . 3 3			
	Requirements for storage rooms and vessels:		•			
	Advices for storage equipment:	must be re that direct	esistant to chemicals. There must be no drain ly leads into sewage system. Secure proper			
	Further information on storage conditions:	and do no chemicals.	t use empty containers for storing other Do not store with incompatible materials			
7.3	Specific end use(s)	away from sources of ignition and aerosol and dust generation: Secure proper ventilation. Prevent spilling into the sewage of and waterways. Tupational hygiene: Thoroughly wash hands after work and before eat orage, including any incompatibilities The storage conditions: The storage must be made of hard material; must be resistant to chemicals. There must be that directly leads into sewage system. Secure proper ventilation. The storage must be made of hard material; must be resistant to chemicals. There must be that directly leads into sewage system. Secure proper ventilation. Do not place the unused material in the storage and do not use empty containers for storing chemicals. Do not store with incompatible mades for section 10).				
	Recommendations:	_				
	Industrial sector specific solutions:	-				

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



										Page 5 of 1	16
Trading na	ıme:					ACF	BUFFE	R			
Product co	ode:				Date of	compil	ation:	24 Ju	ıne 2021	Version:	1
		:						1		i	1
-				-		-	-		No inf	ormation availa	ble
Substance r	name:	_									
EC No:		-	CAS No	: -							
DNEL											
					Ind	ustrial					
Route of Acute Acute			cute		Chron	nic		Chronic			
exposure:		effect	local	effect	systemic		effect lo	ocal		effect systemic	С
Oral		-		-		-			-		
Inhalation	halation -		-		-			-			
Dermal	Dermal -		-		-			-			
Critical physical parameters: solubility, t		flammab	ility, corr	osivity:	-						
Cc					Cor	sumer					
Route of		Acute		A	cute		Chron	nic		Chronic	
exposure:		effect local effect sy		systemic	ic effect local			effect systemic			
Oral		-		-		-			-		
Inhalation					-			-			
Dermal		_			-				_		
PNEC											
Environmen	ntal prot	ection tar	get			PNEC					
Fresh water	•					no inforr	nation av	⁄ailable			
Freshwater	sedime	nts				no information available					
Marine wate	er					no information available					
Marine sedi	iments					no information available					
Food chain						no information available					
Microorgan	isms in	sewage tr	eatment			no information available					
Soil (agricul	ltural)					no inforr	nation av	ailable			
Air						no inforr	nation av	ailable			
8.2	Evnoci	ure contro	lc								
8.2.1.		priate eng		controls							
0.2.1.	Applo	priate eng	meening	CONTROLS		llee the	aradust i	n woll s	entilated re	oms. Use perso	nal
		nce/mixtu nt exposur			es to		e equipn			rink or smoke ir	
	Structi exposi	ural measu ure:	ires to pr	event		In accordance with Section 7.					



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	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prevent ex	(posure:	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:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.				
8.2.2.2.	Skin protection					
	Hand protection:	Protect	tive nitrile gloves, >0.11 mm thick (EN 374).			
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) ng sleeves (EN 340) and shoes that cover the entire foot.			
8.2.2.3.	Respiratory protection:		quired under normal conditions of use. Use suitable tory protective device when high concentrations are t.			
8.2.2.4.	Thermal hazards:	No info	ormation available			
8.2.3.	Environmental exposure controls					
	Substance/mixture related measures to prevent exposure:	See Se	ction 6			
	Structural measures to prevent exposure:	Use modern equipment.				
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.			
	Technical measures to prevent exposure:	See Se	ction 6			

SECT	SECTION 9. Physical and chemical properties					
9.1	Information on basic physical and	chemical properties				
		Value	Method			
	Physical state:	Liquid	Visual inspection			
	Colour:	Colourless	Visual inspection			
	Odour:	No information available	No information available			
	Odor threshold:	No information available	No information available			
	pH:	4,8 – 5,7	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			



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Other information		
Oxidising properties:	No information available	No information available
 Explosive properties:	No information available	No information available
Viscosity:	No information available	No information available
Decomposition temperature:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Partition coefficient: n- octanol/water (log Kow):	No information available	No information available
Solubility(ies):	No information available	No information available
Bulk density:	No information available	No information available
Relative density:	No information available	No information available
Vapour density:	No information available	No information available
Vapour pressure:	No information available	No information available
Upper/lower flammability or explosive limits:	No information available	No information available
Flammability (solid, gas):	No information available	No information available
Evaporation rate:	No information available	No information available

SECTION	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 dangerous reactions known.				
10.4	Conditions to avoid:	No information available				
10.5	Incompatible materials:	No information available				
10.6	Hazardous decomposition products:	No information available				

SECTION 11. Toxicological information								
11.1 Informatio	11.1 Information on toxicological effects							
Acute toxicity:								
Route of exposure:	Method	Method Species Dose		Exposure time	Results			
Oral:	_	No information available	-	No information available	-			
Dermal:	-	No information available	-	No information available	-			



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Trading name:	me: ACP BUFFER								
Product code: NAP-OT-X** Date o		ite of co	ompilation:	24 Ju	ıne 2021	Version:		1	
Inhalation:	Inhalation: - No information available		nation - No information available				-		
Specific	target organ toxicit	ty – single evno	osura (S	TOT SEV					
эресте		rific effects	Jane (J		rget organ			Note	
Oral:	No information			No informa					
Dermal:	No information	n available		No informa	tion availa	ıble	_		
Inhalation:	No information	n available		No informa	tion availa	ıble	_		
Acnirati	on hazard:	N	a inform	nation availa	blo				
Aspiratio	on hazard:	IV	O IIIIOIII	iation availa	Die.				
Irritation	n and corrosion								
,	Exposui	re time	Speci	es Eva	aluation	Method		Note	
Skin corrosion/irritation	on:	_		-		-	-		
Serious eye damage/irritation	- 1	_		_		-	-		
Sensitiza	ation.								
Skin sensitization	1								
Respiratory sensi									
respiratory serisi	uzation.								
Sympto	ms related to the pl	hysical, chemic	al and to	oxicological (characteri	stics			
Oral exposure:	No informat	ion available.							
Dermal exposure	: No informat	ion available.							
Inhalation expos	ure: No informat	ion available.							
Eye exposure:	No informat	ion available.							
Repeate	d dose toxicity (sub	acute, subchro	onic, chr	onic)		:		:	
	Dose	Exposure time	Specie	es M	ethod	Evaluati	ion	Note	
Subacute oral	No information available	No information available	No inform availat		o formation ailable	No informa availabl		-	
Subacute dermal	No information available	No information available	No inform availat		o formation ailable	No informa availabl		-	



Mutagenicity in vitro:

Mutagenicity in vivo:

Genotoxicity:

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Subacute inhalation	No availa	information able	No information available	No information available	No information available	No information available	on -	
Subchronic oral	No availa	information able	No information available	No information available	No information available	No information available	on -	
Subchronic dermal	No availa	information able	No information available	No information available	No information available	No information available	on -	
Subchronic inhalation	No availa	information able	No information available	No information available	No information available	No information available	on -	
Chronic oral	No availa	information able	No information available	No information available	No information available	No information available	on -	
Chronic dermal	No availa	information able	No information available	No information available	No information available	No information available	on -	
Chronic inhalation	No availa	information able	No information available	No information available	No information available	No information	on -	
c .c.				(6707	D.E.)			
Specific	target	organ toxicit	y – repeated e Specific effec	xposure (STOT	Target o	rgan	Note	
Subacute oral		No informa	tion available	.13	No information		- Note	
Subacute dermal			tion available		No information		_	
Subacute inhalat			tion available		No informatio		_	
Subchronic oral			ition available		No information available		-	
Subchronic derm	nal	No informa	tion available		No information available		-	
Subchronic inhalation No information available			No informatio	n available	-			
Chronic oral No information available			No information available		-			
Chronic dermal No information available			No informatio	n available	-			
Chronic inhalatio	n	No informa	tion available		No informatio	n available	-	
CMR eff	fects (ca	arcinogenicity	y; mutagenicity	y; reproductive	toxicity)			
Carcinogenicity:			Current stu	udies on test ani	mals did not	indicate		

carcinogenic effects.

No information available.

Current in vitro tests did not indicate mutagenic effects.

Current in vivo tests did not indicate mutagenic effects.



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	Germ cell mutagenicity:	No information available.
	Reproductive toxicity:	No toxicity on reproductive organs was determined in reproductive organs.
	Summary of evaluation of the CMR properties:	No information available.
11.2	Practical experiences:	
	Classification observations:	No information available
	Other observations:	No information available
11.3	General notes:	
	-	

SECTION 12. Ecologic	cal informat	tion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	No information available	-
Other organisms	-	72 hours	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	_	-	-	_	-	-



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AU	iotic de	gradation								
·		Degradation h	nalf-lives		Method		Evaluation			Note
Marine wat	er No	o information	available	No ir availa	formation able		information ilable		-	
Fresh water	Fresh water No information available		No ir availa	nformation able		information ilable		_		
Air	No information available		No ir availa	nformation able		information ilable		-		
Soil	No	o information	available	No ir availa	nformation able		information ilable		-	
Bio	odegrad	ation								
% Degrad		Time ((days)		Method		Evaluation	l		Note
No informa available	No information No information		No information available		No information available			-		
	Jaccaiiic	ılative potenti	al							
	tanol-w	ater partition	coefficient (Evolus	tion	***************************************	Noto
Value	ctanol-w Cor	ater partition necentration	coefficient (log Ko	w) Method No informati available		Evalua No inform available		-	Note
Value	Cor No in availa	ater partition necentration	pH -	°C	Method No informati		No inform		-	Note
Value	Cor No in availa	ater partition ncentration formation able	pH (BCF)	°C	Method No informati		No inform	ation		Note
Value - Bio Value No informa	Cor No in availa	ater partition incentration incentration incentration incentration incentration incentration incentration factor incentration factor incentration incentration factor incentration incentra	pH (BCF)	°C -	Method No informati available Method formation	N	No inform available	ation		Note
Value - Value No informa available	No in availa	ater partition incentration incentration incentration factor in the special sp	pH - (BCF) ies	°C	Method No informati available Method formation	N	No inform available Evaluatio	ation	No info	Note



	GN		•	According to	ricg	alation	r (LC) IV	10. 150	-	Page 12 of 16	6
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Chronic toxicity on fish LC ₅₀			information in		information		No No information ir available a		-		
Chronic toxicity on crustacea (<i>Daphnia</i>) EC ₅₀		EC ₅₀	No No information available available		nation Ible	No n information available		No information available	-		
12.4	Mobility i	n soil									
	Known or	predict	ed distributi	on in environme	ental c	ompart	ments:				
	No inform	nation a	vailable								
	Surface te	ension:									
	Value		°C	Concentrat	ion		Metho	od		Note	
	No informatio available		o formation vailable	No informat available	ion	No info	ormatio ole	n	-		
Transpor	† i	A/D coe	•	log Kow	Ev	vaporation	on rate	N	Лethod	Note	
Soil-wate	er No avail		nformation	No informatio available		o inform ailable	ation	No in availa	formation ble	_	
Water-ai	r No avail		nformation	No informatio available		o inform ailable	ation	No in availa	formation ble	-	
Soil-air	No avail		nformation	No informatio available		o inform ailable	ation	No in availa	formation ble	-	
	Results of		d vPvB asses vailable	ssment							
12.6	Other adv	erse eff	fects								
	No inforn	nation a	vailable								
SECTION	N 13. Disp	osal co	nsideration	S							
13.1	Waste t	reatmer	nt methods								
13.1.1.	Product	·/Packac	ging disposal	l:							



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	Submit for disposal to the le Protection.	gal person authorized by the Ministry of Environmental and Nature					
13.1.2.	Waste codes/waste designations according to Law:						
	No information available						
13.1.3.	Waste treatment – relevant i	nformation:					
	No information available						
13.1.4.	Sewage disposal – relevant i	nformation:					
	Waste must not be disposed	I of into the sewage system.					
	1	-					
13.1.5.	Other disposal recommenda	itions:					
	authorized by the ministry in	oct's remains into the sewage system. Submit the remains to the collectors of charge. Do not dispose of the packaging into the sewage system. Submit pors authorized by the ministry in charge. Do not dispose of in places where					
13.1.6.	Relevant Community provisi	ons:					
	-						
SECTION	14 TRANSPORT INFORMAT	TION					
-	Transporting/shipment by roa	d (ADR)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
	t hazard class(es):	-					
Packing g	group:	-					
	entally hazardous:	-					
	recautions for user:	-					
i	Transporting/shipment by rail	(RID)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
	t hazard class(es):	-					
Packing c		-					
	entally hazardous:	-					
	recautions for user:	-					
	nland waterway transport (AD	DN)					

Not subject to transport regulations



Packing group:

Further information:

Environmentally hazardous:

Special precautions for user:

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UN proper shippiı	ng name:	-					
Transport hazard	class(es):	-					
Packing group:		-					
Environmentally h	nazardous:	-					
Special precaution	ns for user:	-					
Transpor	ting/shipment by sea (IN	ИDG)				
UN number:		No	t subject to transport regu	lations			
UN proper shippii	ng name:	-					
Transport hazard	class(es):	-					
Packing group:		-					
Environmentally h	nazardous:	-					
Special precaution	ns for user:	-					
1	according to Annex II B and the IBC code:	-					
Transpor	ting/shipment by air (IC	AO-	ΓΙ/IATA-DGR)				
UN number:		No	t subject to transport regu	lations			
UN proper shippi	ng name:	-					
Transport hazard	class(es):	Ī _					

SECTI	ON 15. Regulatory informat	ion						
15.1	Safety, health and environr	Safety, health and environmental regulations/legislation specific for the substance or mixture						
	EU regulations							
	Authorization and/or restri	ctions of use						
	Authorizations:	-						
	Restrictions:	-						



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	None	
15.2	Chemical safety assessment	
	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
	Information according 1999 guideline)	/13/EC about limitation of emissions of volatile organic compounds (VOC-
	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

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



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		** "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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Product code:	NASBI-OT-X**	Date of compilation:	24 June 2021	Version:	1

SECTI	ON 1: Identification of t	the substance	e/mixture	and of the company/undertaking	
1.1	Product identifier				
	Trading name:	ACP SUBST	RATE		
	Chemical name:	-			
	Catalogue number:	NASBI-OT-X**			
1.2	Relevant identified use	es of the subs	tance or n	nixture and uses advised against	
	Uses:		For use	in cytochemical diagnostics.	
	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:		Medjug	orska 59, Zagreb	
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	erson: <u>msds@</u>		piognost.hr	
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection ar	nd Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	ON 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to	Classification according to Regulation (EC) No 1272/2008 (CLP)				
	Hazard class and ca	tegory code:		Hazard statements*:		
	Acute Tox. 4		H312			
	Eye Irrit. 2		H319			
	Acute Tox. 4		H332			
	Repr. 1B		H360D			
2.1.2.	Additional information					
	-					
*For fu	ıll text of Hazard- and EU Haz	ard-statements: se	e SECTION 16			
2.2	Label elements					
	Product identification:	ACP SUBSTR	ATE			
	Identification number:	-				



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Author	ization number:	-
Hazard	pictograms:	GHS07 GHS08
Signal	word:	Danger
Hazard	statements:	H312 Harmful in contact with skin.H319 Causes serious eye irritation.H332 Harmful if inhaled.H360D May damage the unborn child.
Precau	tionary statements:	P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P302 + P352 IF ON SKIN: Wash with plenty of soap and water P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: Get medical advice/attention.
	metal hazard ation (EU):	-
.3 Other I	nazards	

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)			
68-12-2/ 200-679-5/ 616-001-00-X	-	>50%	dimethyl formamide	Acute Tox. 4 (Dermal); H312 Eye Irrit. 2; H319 Acute Tox. 4 (inhalation); H332 Repr. 1B; H360D			

SECTIO	SECTION 4. First aid measures				
4.1	Description of first aid measure	es			
	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 ef	fects, 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:	Danger of gastric perforation.
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:	Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).				
	Unsuitable extinguishing media:	Do not use a heavy water stream.				
5.2	Special hazards arising from the substance or mixture					
	Hazardous combustion products:	Carbon oxides, sodium oxides. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.				
5.3	Advice for firefighters					
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.					
5.4	Additional information					
	Do not contaminate the environment	ent with extinguishing media.				

SECTIO	ON 6. Accidental release measur	es
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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	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 a (see Section 8).	case of inadequate ventilation use adequate airways protective equipment	
6.2	Environmental precautions:		
	Do not dispose of in sewage, or 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 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 involved materials with water.	
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).	
6.4	Reference to other sections		
	See Section 7 for information See Section 8 for information See Section 13 for disposal inf	on personal protection equipment.	

SECTIO	ON 7. Handling and storage		
7.1	Precautions for safe handling	or 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.
	Measures to prevent aerosol and dust generation	to prevent aerosol and dust generation:	
	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. Tho	roughly was	sh hands after work and before eating.
7.2	Conditions for safe storage, including any incomp	oatibilities	
	Technical measures and storage conditions:		htly closed and upright set containers at res ranging from +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 6. Exp	osure controls/pe	rsonal protection	on		
8.1 Control	parameters				
Substance		CAS No	Occupational exposure limit values/short term values		Biological limit values
			ppm	mg/m³	
-		-	-	-	-
Substance name	_				
EC No:	- CAS	No: -			
DNEL					
			Industrial		
Route of exposure:	Acute effect local	Acute effect syste	emic	Chronic effect local	Chronic effect systemic
Oral	-	-	-		-
Inhalation	-	-	-		-
Dermal	-	-	-		-
Critical physical p	parameters: solubil	ity, flammability,	corrosivity:	-	
			Consumer		
Route of	Acute	Acute		Chronic	Chronic
exposure:	effect local	effect syste	emic	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 water			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 cont	rols			
	Substance/mixture related me prevent exposure during identifications		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	Structural measures to preven exposure:	t	In accordance with Section 7.		
	Organisational measures to preexposure:	revent	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to preven	t 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	nt			
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:		quired under normal conditions of use. Use suitable atory protective device when high concentrations are at.		
8.2.2.4.	Thermal hazards:	No inf	ormation available		
8.2.3.	Environmental exposure contr	ols			
	Substance/mixture related measures to prevent exposure	See Se	ection 6		



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

Information on basic physical and	chemical properties	
	Value	Method
Physical state:	Liquid	Visual inspection
Colour:	Colourless	Visual inspection
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
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



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SECTIO	ON 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 dangerous reactions known.
10.4	Conditions to avoid:	No information available
10.5	Incompatible materials:	No information available
10.6	Hazardous decomposition products:	No information available

Acute to Route of exposure:	oxicity: Method	gical effects Species	Dos	1.D. //.C 1.			
Route of exposure:		Species	Dos				
Route of exposure: Oral:	Method -	Species	Dos	10 //			
Oral:	_			se LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure 1	time Re	sults
Orai.		No information available	1	-	No information	on	-
Dermal:	-	No information available	1	-	No information	on	-
Inhalation: - No informa available		No information available	1	-	No information	on	-
Specific	target organ to	xicity – single exp	osure (ST	OT SE):			
	S	pecific effects		Target	Note		
Oral:	No informa	tion available		–			
Dermal:	No informa	tion available		-			
Inhalation:	No informa	tion available		-			
Aspiration	on hazard:	ſ	No inform	nation available.			
Irritation	and corrosion						
	Expo	osure time	Specie	es Evaluat	ion Method	d Note	
Skin corrosion/irritation	on:	-	-	-	-	-	
Serious eye damage/irritation	- 1	-	-	-	-	-	
Sensitiza	ation						
Skin sensitization							



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Respiratory sensi	itizatic	on: -					
Sympto	ms rel	ated to the ph	nysical, chemic	al and toxicolog	ical characteristi	CS	
Oral exposure:		No informati	on available.				
Dermal exposure	:	No informati	on available.				
Inhalation exposi	ure:	No informati	on available.				
Eye exposure:		No informati	on available.				
Repeate	d dos	e toxicity (sub	acute, subchro	onic, chronic)		,	
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral		information lable	No information available	No information available	No information available	No information available	-
Subacute dermal	No avail	information lable	No information available	No information available	No information available	No information available	-
Subacute inhalation	No avail	information lable	No information available	No information available	No information available	No information available	-
Subchronic oral	No avail	information lable	No information available	No information available	No information available	No information available	-
Subchronic dermal		information lable	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No avail	information lable	No information available	No information available	No information available	No information available	-
Chronic oral		information lable	No information available	No information available	No information available	No information available	-
Chronic dermal	No avail	information lable	No information available	No information available	No information available	No information available	-
Chronic inhalation		information lable	No information available	No information available	No information available	No information available	-
i i							
Specific	targe	t organ toxicit		xposure (STOT F	RE):	1	
			Specific effec	ts	Target o	rgan	Note



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11.3	General notes:						
	Other observat	tions:	-				
	Classification c	bservations:	-				
11.2	Practical exper	iences:					
	Summary of properties:	evaluation of the CMR	No informati	ion available.			
	Reproductive t	oxicity:	No informati	ion available.			
	Germ cell muta		No information available.				
	Mutagenicity ii		No information available.				
	Genotoxicity:	•		ion available.			
	Mutagenicity ii	n vitro:					
	Carcinogenicity		No information available. No information available.				
		arcinogenicity; mutagenicity; re					
Chronic	Innalation	NO INIORMATION AVAILABLE		NO IMORMATION AVAIIADIE	-		
	c inhalation	No information available		No information available	-		
	c dermal	No information available		No information available	-		
Chronic	onic inhalation	No information available No information available		No information available No information available	_		
	onic dermal	No information available		No information available	_		
	onic oral	No information available		No information available	-		
	te inhalation	No information available		No information available	-		
	te dermal	No information available		No information available	-		
	te oral	No information available		No information available	-		

SECTION 12. Ecologic	cal informat	ion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	-	-	-	-	-
Crustacea:	EC ₅₀	-	-	-	-	-
Algae/aquatic plants	IC ₅₀	-	-	-	-	-
Other organisms	-	-	-	-	-	-



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Chronic (long- toxicity	term)	Dose	Exposur time	e	Species	Method	Evaluati	ion	Note
Fish		LC ₅₀	96 hours		No information available	No information available	No informat available		-
Crustacea:		EC ₅₀	48 hours		No information available	No information available	No informat available		-
Algae/aquatic	plants	IC ₅₀	72 hours		No information available	No information available	No informat available		-
Other organism	ns	_	_	-		-	-		-
12.2		1 -11 -1	- :::						
	c degra	nd degradal	Dility						
Abiot		gradation h	alf-lives		Method	Evaluatio	n		Note
Marine water		nformation a			information ilable	No informatio			
Fresh water	No ir	nformation a	vailable		information ilable	No informatio available	n -		
Air	No ir	nformation a	vailable		information ilable	No informatio available	n -		
Soil	No ir	nformation a	nvailable		information ilable	No informatio available	n -		
Dia da									
% Degradati	gradatio	Time (days)		Method	Evaluatio	n e		Note
No information available	1		formation		information ilable	No informatio available	n N	No inf Ivailat	ormation
12.3 Bioacc	cumulat	tive potentia	ıl						
Octan	ol-wate	er partition o	oefficient (log K	ow)				
	_	ntration	рН	°C	Method	Evalu	ıation		Note



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Value	e	Species		N	/lethod		Ev	aluatio	on		Note
No informa available		inform ailable	ation	No info availabl	rmation le		No info		on	-	
Ch	nronic ecoto	xicity									
V	/alue	Dose		osure ime	Spec	ies	Meth	od	Eval	uation	Note
Chronic tox	kicity on fish	LC ₅₀	No infor availa	mation able	No informa availab	ation	No informa availab		No inforr availa	nation ble	_
Chronic tox crustacea (<i>L</i>	-	EC ₅₀	No infor availa	mation able	No informa availab	ation	No informa availab		No inforr availa	nation ble	-
No inf	formation	°C No information	No	oncentra informat	tion I	No info	Metho ormation		-		Note
No inf	Value	°C No	No	informat	tion I		rmatior		-		Note
Nc inf ava	Value o formation	°C No information available	No	informat	tion I		rmatior		-		Note
No inf ava	Value of formation railable dsorption / o	°C No information available	No ava	informat	tion I		ormation le	1	Method		Note
No inf ava	Value of formation railable dsorption / o	°C No information available desorption coefficient	No ava	information information	Eva	availabl	ormation le on rate	1	Methoo	d	
No inf ava	Value of formation railable dsorption / of Henry	°C No information available desorption coefficient 's constant	No ava	information inform	Eva on No avai	poratio	ormation le on rate ation	No ir	Method nforma able nforma	tion	Note



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			1	i	i		
	No inform	ation available					
12.6	Other adverse effects						
	No inform	ation available					
SECTION	l 13. Dispo	osal considerations					
13.1	Waste tr	eatment methods					
	÷						
13.1.1.	Product/	Packaging disposal:					
			person authorized by the Min	istry of Environmental	l and Nature		
	Protection	on.					
10.1.0							
13.1.2.		odes/waste designations	according to Law:				
	No infor	mation available					
12.1.2							
13.1.3.		eatment – relevant infor	mation:				
	No infor	mation available					
12.1.4	C	diamanal malayantinfan					
13.1.4.	Sewage disposal – relevant information:						
	Waste must not be disposed of into the sewage system.						
12.1.5	0.1 1:						
13.1.5.		sposal recommendation		one Collegeit the conservation			
			remains into the sewage syste rge. Do not dispose of the pa				
		•	uthorized by the ministry in c				
13.1.6.	Relevant	Community provisions:					
	-						
SECTION 14 TRANSPORT INFORMATION							
-	Transporti	ng/shipment by road (A	OR)				
UN number: Not subject to transport regulations				lations			
UN proper shipping name:			-				
Transpor	t hazard cl	ass(es):	-				
Packing o	group:		-				
Environmentally hazardous:		zardous:	-				
Special p	recautions	for user:	-				
-	Transporting/shipment by rail (RID)						



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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:	-
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:	-
Further information: -	

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



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	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	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)	/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	N 16. Other information			
16.1	Indication of changes:	-		
		PBT	Stable, bioaccumulative and toxic	
		vPvB	Strongly stable and strongly bioaccumulative.	
16.2	Abbreviations and acronyms:	LD ₅₀	Lethal dose, 50%	
		LC ₅₀	Lethal concentration, 50%	
		TCOJ	Specific target organ toxicity - single exposure	
16.3.	Key literature references and source of data:	-		
16.4. Classification and procedure us 1272/2008 (CLP)		sed to derive the	classification for mixture according to Regulation (EC)	
Classification		Classification procedure		
1		•		
16.5. Relevant H statements (numbe		er and full text)		



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Trading name:	ACP SUBSTRATE			_	
Product code:	NASBI-OT-X**	Date of compilation:	24 June 2021	Version:	1

	H: H312	Harmful in contact with skin.
H319		Causes serious eye irritation.
	H332	Harmful if inhaled.
	H360D	May damage the unborn child.
16.6.	Training advice:	-
16.7.	Further informatio	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to chemical safety assessment
-



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Trading name:		OR			
Product code:	NATA-OT-X**	Date of compilation:	24 June 2021	Version:	1

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking		
1.1	Product identifier					
	Trading name: ACP INHIBIT		TOR	OR		
	Chemical name: -					
	Catalogue number:	NATA-OT-X	(**			
1.2	Relevant identified use	es of the subs	tance or n	nixture and uses advised against		
	Uses:		For use	in cytochemical diagnostics.		
	Uses advised against:		Only the	e identified uses are advised.		
	Reason why uses advis	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:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997 +385 1 2404039			
	Telefax.:					
	e-mail of competent p	erson:	msds@b	<u>piognost.hr</u>		
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection an	d Rescue Dire	ectorate:	112		
	Medical information: Other information:			+385 1 2348 342		
				-		

SECTIO	ECTION 2. Hazards identification					
2.1	Classification of the substance or mixture					
2.1.1	Classification according to R	egulation (EC) No 1	272/2008 (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 Haza	rd-statements: see S	SECTION 16			
2.2	Label elements					
	Product identification:	ACP INHIBITOR				
	Identification number:	-				
	Authorization number: -					
	Hazard pictograms: -					
	Signal word:	-				



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Trading name:	ACP INHIBITOR			_	
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	Hazard statements:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	-	

SECTION 3. Composition/information on ingredients						
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)		
_	-	_	Contains no hazardous substances	-		

4.1	Description of first aid measures	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.				
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.				
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.				
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.				
	Following ingestion:	Rinse the 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:	Danger of gastric perforation.				



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Trading name:		TOR			
Product code:	NATA-OT-X**	Date of compilation:	24 June 2021	Version:	1

SECTIO	SECTION 5. Firefighting measures					
5.1	Extinguishing media					
	Suitable extinguishing media:	Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).				
	Unsuitable extinguishing media:	Do not use a heavy water stream.				
5.2	Special hazards arising from the substance or mixture					
	Hazardous combustion products:	Carbon oxides, sodium oxides. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.				
5.3	Advice for firefighters					
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing.					
5.4	Additional information	Additional information				
	Do not contaminate the environm	ent with extinguishing media.				

SECTIO	N 6. Accidental release measu	ıres			
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.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).				
6.2	Environmental precautions:				
	Do not dispose of in sewage, or Protection and Rescue Directo	Irainage system and waterways. In case of large spillage contact National rate (NPRD) on 112.			
6.3	Methods and material for cont	ainment 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 involved materials with water.			
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).			
6.4	Reference to other sections				



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ee Section 7 for information on safe handling.	
ee Section 8 for information on personal protection equipment.	
ee Section 13 for disposal information.	

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.	
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		-	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. The	noroughly was	sh hands after work and before eating.	
7.2	Conditions for safe storage, including any incompatibilities			
	Technical measures and storage conditions:		ghtly closed and upright set containers at ares ranging from +2 to +8 °C.	
	Packaging materials:	Manufactu containers	urer's original packaging. Avoid metal	
	Requirements for storage rooms and vessels:	Keep away	r from food and drink. Keep the containers sed.	
	Advices for storage equipment:	The storage must be made of hard material; floor must be resistant to chemicals. There must be no that directly leads into sewage system. Secure proventilation.		
	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 (see Section 10).		
7.3	Specific end use(s)			
	Recommendations:	_		
	Industrial sector specific solutions:	-		

SECTIO	N 8. Exposure contro	ols/personal protec	tion					
8.1	Control parameters	Control parameters						
	Substance	CAS No	•	exposure limit term values	Biological limit values			
			ppm	mg/m³	-			



										Page 5 of 15	5
Trading na	me:					ACF	INHIBI	ГOR			
Product co	ode:	NATA-O	T-X**		Date o	f comp	ilation:	24 June	e 2021	Version:	1
								· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Page 5 of 1: Trading name: Product code: NATA-OT-X** Date of compilation: 24 June 2021 Version: Substance name: EC No: DNEL Industrial Route of exposure: effect local effect systemic Oral											
Substance r	name:	-									
EC No:		-	CAS No):							
DNEL											
					Ind	lustrial					
Route of		Acu	ıte	A	cute		Chro	nic		Chronic	
exposure:		effect	local	effect	systemic	:	effect	local		effect systemic	
Oral		-		-		-			-		
Inhalation		-		-		-			-		
Dermal		_		-		-			_		
Critical phys	sical par	rameters: s	solubility,	flammab	oility, cor	rosivity:	_				
					Cor	nsumer					
Route of		Acı	ute	A	cute		Chro	nic		Chronic	
exposure:		effect	local	effect	systemic	3	effect	local		effect systemic	
Oral		-		-		-			-		
Inhalation		-		-		-			-		
Dermal		-		-		-			-		
PNEC											
Environmen	ital prot	ection tar	get			PNEC					
Fresh water						no information available					
Freshwater	sedime	nts				no information available					
Marine wate	er					no information available					
Marine sedi	ments					no info	rmation a	vailable			
Food chain						no info	rmation a	vailable			
Microorgan	isms in	sewage tr	eatment			no info	rmation a	vailable			
Soil (agricul	tural)					no info	rmation a	vailable			
Air						no info	rmation a	vailable			
8.2	Exposi	ure contro	ls								
8.2.1.	Appro	priate eng	ineering	controls							
						protect	ive equip			•	
	Structu		ires to pr	event		In acco	rdance wi	th Section	7.		



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	Organisational measures to preve exposure:	ent	Organization of work in order to reduce other worker's influence during work process.			
	Technical measures to prevent ex	Secure proper workspace ventilation in order to kee exposure: concentration levels in air below permitted levels. S stations for rinsing eyes and showering.				
8.2.2.	Personal protection equipment					
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lowe levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.				
8.2.2.2.	Skin protection					
	Hand protection:	Protec	ective 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:	Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present.				
8.2.2.4.	Thermal hazards:	No info	ormation available			
8.2.3.	Environmental exposure controls	·				
	Substance/mixture related measures to prevent exposure:	See Se	ction 6			
	Structural measures to prevent exposure:	Use mo	odern equipment.			
	Organisational measures to prevent exposure:	•	apt the work process to the required working conditions of the rkplace.			
	Technical measures to prevent exposure:	See Se	ection 6			

SECT	ON 9. Physical and chemical prope	rties							
9.1	Information on basic physical and	Information on basic physical and chemical properties							
		Value	Method						
	Physical state:	Liquid	Visual inspection						
	Colour:	Colourless	Visual inspection						
	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						



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Trading name:		ACP INHIBIT	OR	-	
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2	Other information		
	Oxidising properties:	No information available	No information available
	Explosive properties:	No information available	No information available
	Viscosity:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Partition coefficient: n-octanol/water (log Kow):	No information available	No information available
	Solubility(ies):	No information available	No information available
	Bulk density:	No information available	No information available
	Relative density:	No information available	No information available
	Vapour density:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Upper/lower flammability or explosive limits:	No information available	No information available
	Flammability (solid, gas):	No information available	No information available
	Evaporation rate:	No information available	No information available

SECTIO	ON 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 dangerous reactions known.
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. To	oxicological info	rmation					
11.1 Information on toxicological effects							
Acute t	oxicity:						
Route of exposure:	Method	Species	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure time	Results		
Oral:	-	No information available	-	No information available	-		
Dermal:	-	No information available	-	No information available	-		



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Trading name:					ACP II	NHIBITOR			
Product code:	N.	ATA-OT-X**	D	ate of c	compila	tion: 24	June 2021	Versior	า:
Inhalation:			o information vailable	1	_		lo information vailable		-
Specific	c targe	t organ toxicit	v – sinale exp	osure (S	STOT SE)	•			
- 	<u> </u>		ific effects		,	Target org	an	No	te
Oral:	N	lo information			No inf	ormation ava		-	
Dermal:	N	lo information	available		No inf	ormation ava	nilable	_	
Inhalation:	N	lo information	available		No inf	ormation ava	ailable	_	
	i				·		:		
Aspirat	ion ha	zard:	١	No infor	mation a	vailable.			
Irritatio	n and	corrosion					-	-	
		Exposur	e time	Spec	ies	Evaluation	Method	N	ote
Skin corrosion/irritati	ion:	-	-			-	-	-	
Serious eye damage/irritatio	n	-	-			-	-	-	
Sensitiz	zation								
Skin sensitizatio	n:	-							
Respiratory sens	sitizatio	on: -							
		i .							
Sympto	oms rel	lated to the ph	nysical, chemi	cal and	toxicolo	gical characte	eristics		
Oral exposure:		No informati	on available.						
Dermal exposur	e:	No informati	on available.						
Inhalation expos	sure:	No informati	on available.						
Eye exposure:		No informati	on available.						
Repeat	ed dos	se toxicity (sub	acute, subchr	onic, ch	ronic)				
		Dose	Exposure time	Speci	es	Method	Evaluati	ion No	te
Subacute oral	No avai	information lable	No information available	No inforr availa	nation ible	No informatio available	No informa availabl		
Subacute dermal		information lable	No information available	No inforr availa	mation able	No informatio available	No on informa availabl		



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Trading name:		ACP INHIBITO	OR	_	
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Product code:	NAT	A-OT-X**	A-OT-X** Date of com		ation: 24 June 2021			Version:	1
Subacute inhalation	No ii availal	nformation ble	No informatio available	No information available	No infori availa	mation able	No informatic available	on -	
Subchronic oral	No ir availat	nformation ole	No informatio available	No information available	No information available		No informatio available	on -	
Subchronic dermal	No ir availat	nformation ole	No informatio available	No information available	No infori availa	mation able	No informatio available	on -	
Subchronic inhalation	No information available		No informatio available	No information available	No infori availa	mation able	No informatic available	on -	
Chronic oral	No ir availat	nformation ole	No informatio available	No information available				on -	
Chronic dermal	No ir availat	nformation ole	No informatio available	No information available		No No information available available		on -	
Chronic inhalation	No ir availat	nformation ble	No informatio available	No information available	No infori availa	mation able	No informatio available	on -	
Specific	target o	organ toxicit	y – repeate	d exposure (STOT	RE):				
i •			Specific ef	· · · · · · · · · · · · · · · · · · ·		Target o	rgan	Note	
Subacute oral		No information available		ole	No in	formation	n available	-	
Subacute dermal	I	No informa	ntion availab	ole	No in	formation	n available	-	
Subacute inhalat	ion	No informa	ntion availab	ole	No in	formation	n available	-	
Subchronic oral		No informa	tion available		No information available -		-		

	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-
Chronic inhalation	No information available	No information available	-

CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)					
Carcinogenicity:	No information available.				
Mutagenicity in vitro:	No information available.				
Genotoxicity:	No information available.				
Mutagenicity in vivo:	No information available.				
Germ cell mutagenicity:	No information available.				



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Trading name:	ACP INHIBITOR					
Product code:	NATA-OT-X**	Date of compilation:	24 June 2021	Version:	1	

	Reproductive toxicity:	No information available.
	Summary of evaluation of the CMR properties:	No information available.
11.2	Practical experiences:	
	Classification observations:	-
	Other observations:	-
11.3	General notes:	
	-	

SECTION 12. E	SECTION 12. Ecological information						
12.1 Toxicity	у						
Acute (short-term) toxicity		Dose	Exposure time	Species	Method	Evaluat	ion Note
Fish		LC ₅₀	-	-	-	-	-
Crustacea:		EC ₅₀	-	-	-	-	-
Algae/aquatic p	lants	IC ₅₀	-	-	-	-	-
Other organism	ıs	-	-	-	-	-	-
Chronic (long-toxicity	erm)	Dose	Exposure time	Species	Method	Evaluat	ion Note
Fish	h LC ₅₀ 96 hours No information available No information available available						
Crustacea:		EC ₅₀	48 hours	No information available	No information available	No informat available	
Algae/aquatic p	olants	IC ₅₀	72 hours	No information available	No information available	No informat available	
Other organism	ıs	-	-	-	-	-	-
		1	·	•	1	•	1
12.2 Persist	ence a	nd degradab	oility				
Abiotic	degra	dation					
	De	gradation ha	alf-lives	Method	Evaluation		Note
		nformation available		No information available	No information - available		



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Trading name:					ACP IN	HIBIT	OR				
Product code:		NATA-OT-X*	*	Date	Date of compilation: 24		24 Jur	ne 2021		Version:	1
Fresh water	No	information a	available	No inf	ormation	No inf	formation ble	1	-		
Air	No	information a	available		ormation		formation	1	-		
Soil	No	information a	available	No inf	ormation ole	No inf	formation ble	ו	_		
Riodoo	ırada	ntion									
Biodeg % Degradation		Time (day(s)		Method		Evaluatio	2		Note	
No information available	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		of ormation		formation		formation		No ir	nformation	
12.3 Bioacc	umu	lative potentia	al								
		ater partition of		(log Kov	v)						
Value		centration	рН	°C			Evaluation		Note		
			-	-	-	_			-		
1				•		,			·		
Biocon	cent	ration factor (BCF)								
Value		Speci	es		Method		Evaluation	on		Note	
No information			formation	No information		No information		on	_		
available		available		availak	ole	avail	able				
Chroni	c eco	otoxicity									
<u> </u>	Value Dose :		oosure ime	Species	Method		Evalu	Evaluation Note			
Chronic toxicity	on f	fish LC ₅₀		No rmation information lable available		No n information available		No inform availab		-	
Chronic toxicity crustacea (<i>Daph</i>	on No No Information information		information	No infor avail	mation able	No inform availab		-			
12.4 Mobilit		.,									



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	Kno	wn or pred	dicted distributi	on in environment	tal o	compartments:			
	No information available								
	Surface tension:								
	,	Value	°C	Concentration	n	Metho	od		Note
	_	rmation lable	No information available	No information available	1	No information available	n	-	
	Ads	orption / c	desorption						
Transpo	ort	-	coefficient 's constant	log Kow	E۱	vaporation rate	Meth	nod	Note
Soil-wa	ter	No available	information	No information available		o information vailable	No inforn available	nation	-
Water-a	air	No available	information	No information available		o information vailable	No information available		-
Soil-air		No available	information	No information available	No information available		No information available		-
40.5	_	l. CDDT							
12.5			and vPvB asses	ssment					
	INO	informatio	n available						
12.6	Oth	er adverse	effects						
			n available						
	1								
SECTIO	N 13	. Disposal	consideration	s					
13.1	W	aste treatr	ment methods						
13.1.1.	Pr	oduct/Pac	kaging disposal	:					
		otection.	disposal to the le	egal person autho	rize	ed by the Ministr	y of Enviro	nmental	and Nature
13.1.2.	. Waste codes/waste designations according to Law:								
	N	o informat	ion available						
13.1.3.	W	aste treatr	ment – relevant	information:					
	N	o informat	ion available						



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Trading name:	ACP INHIBITOR				
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13.1.4.	Sewage disposal – relevant in	formation:					
	Waste must not be disposed of into the sewage system.						
13.1.5.	Other disposal recommendati	ons:					
	authorized by the ministry in o	t's remains into the sewage system. Submit the remains to the collectors charge. Do not dispose of the packaging into the sewage system. Submit authorized by the ministry in charge.					
13.1.6.	Relevant Community provision	ns:					
	-						
SECTION	I 14 TRANSPORT INFORMATION	ON					
-	Transporting/shipment by road	(ADR)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing o	group:	-					
Environm	nentally hazardous:	-					
Special p	recautions for user:	-					
-	Transporting/shipment by rail (F	RID)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing o	group:	-					
Environm	nentally hazardous:	-					
Special p	recautions for user:	-					
	Inland waterway transport (ADN	J)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transpor	t hazard class(es):	-					
Packing o	group:	-					
Environmentally hazardous:		-					
Special p	recautions for user:	-					
-	Transporting/shipment by sea (I	IMDG)					
UN numb	per:	Not subject to transport regulations					
UN prope	er shipping name:	-					
Transpor	t hazard class(es):	-					



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Trading name:	ACP INHIBITOR				
Product code:	NATA-OT-X**	Date of compilation:	24 June 2021	Version:	1

	·
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:	-
Further information: -	

15.1 Safe	Safety, health and environmental regulations/legislation specific for the substance or mixture					
EU r	EU regulations					
Autl	Authorization and/or restrictions of use					
Autl	horizations:	-				
Rest	trictions:	-				
Oth	er 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				



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

SECTION	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 ₅₀	Lethal dose, 50%		
		LC ₅₀	Lethal concentration, 50%		
		TCOJ	Specific target organ toxicity - single exposure		
16.3.	Key literature references and source of data:	-			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)				
Classif	ication	Classification procedure			
		-			
16.5.	Relevant H statements (number	er and full text)			
	H: -	-			
16.6.	Training advice:	-			
		** "X" in the prod the product)	luct code marks different volumes (different packagings of		
16.7.	i	•	onsible for consequences in case of failure to comply with se or improper use of the product described in this ata sheet.		

ANNEX: Exposure scenario resulting to chemical safety assessment
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