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Trading name:	TB MALACHITE GREEN REAGENT			
Product code:	TBM-OT-X**	Date of compilation:	11 June 2019.	Version: 3

SECTI	ON 1 IDENTIFICATION (	OF THE SUE	STANCE/MI	XTURE AND OF THE COMPANY/UNDERTAKING	
1.1.	Product identifier				
	Trading name:	TB MALA	CHITE GREEN	REAGENT	
	Chemical name:	-			
	Catalogue number:	TBM-OT-	TBM-OT-X**		
1.2.	Relevant identified use	es of the sub	stance or mix	xture and uses advised against	
	Uses:		For use in	TB-Stain Cold kit.	
	Uses advised against:		Only the i	dentified uses are advised.	
	Reason why uses advis	sed against:	The product is intended for use only as an <i>in vitro</i> diagnagainst: medical device, registered at the Agency for Medicinal F Medical Devices and there is no reason to use it for other		
1.3.	Details of the supplier	of the safet	y data sheet		
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska	59, Zagreb	
	Telephone number:		-385 1 2409997		
	Fax no.:		+385 1 24040	39	
	e-mail of competent p	erson:	msds@biogno	<u>ost.hr</u>	
	National contact:		-		
1.4.	Emergency telephone	Emergency telephone number			
	National Protection an	d Rescue D	irectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	ECTION 2 HAZARDS INFORMATION					
2.1.	Classification of the substance or mixture					
2.1.1.	Classification (REGULATION (EC) No. 1272/2008 (CLP)					
	Hazard class and category	code:	Hazard statements*:			
	Not identified as hazardous subst	ance.	-			
2.1.2.	Additional information					
	-					
*For ful	ll text of Hazard- and EU Hazard-sta	tements: see S	ection 16			
2.2.	Classification according to EC Dire	ective Nr. 1272/	(2008 CLP)			
	Product identification:	TB MALACHI	TE GREEN REAGENT			
	Identification number:	-				
	Authorization no.:					
	Hazard pictograms: -					
	Signal word:	-				



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

SECTION 3 CO	SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS						
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)			
2437-29-8/ 219-441-7/ 602-096-00-5	-	< 0.25%	bis[[4-[4- (dimethylamino)benzhydrylidene]c yclohexa-2,5-dien-1- ylidene]dimethylammonium] oxalate, dioxalate	Acute Tox. 4; H302 Eye Dam. 1; H318 Repr. 2; H361d Aquatic Acute 1; H400 Aquatic Chronic 1; H410			

SECTI	ECTION 4 FIRST AID MEASURES				
4.1.	Description of first aid measures				
	General notes:		-		
	Following inhalation:		Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.		
	Following skin contact: Following eye contact:		Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.		
			Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.		
	Following ingestion:		Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.		
	Self-protection of the first aider:		Treat symptomatically.		
4.2.	Most important symptoms a	nd eff	ects, both acute and delayed		
	Following inhalation:		rgic persons may display irritation after prolonged or repeated osure.		
	Following skin contact:	Aller	gic persons may display irritation.		
	Following eye contact:	May	cause irritation.		
	Following ingestion: Swallowing may cause discomfort in abdomen and abdom				



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4.3.	Indication of any immediate medical attention and special treatment needed
	-

SECTI	SECTION 5 FIREFIGHTING MEASURES			
5.1.	Extinguishing media			
	Suitable extinguishing media:	Water spray, dry powder, CO <sub>2</sub> or alcohol-resistant foam		
	Unsuitable extinguishing media:	No information available		
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 of Cool closed containers exposed to	compressed air breathing apparatus and fireproof clothing.  of fire with water spray or vapor.		
5.4.	Additional information			
	Remove sources of heat and ignition.  Do not contaminate the environment with extinguishing media.			

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



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6.4.	Reference to other sections
	See Section 7 for information on safe handling.
	See Section 8 for information on personal protective equipment.
	See Section 13 for disposal information.

SECTIO	ON 7 HANDLING AN STORAGE		
7.1.	Precautions for safe handling		
7.1.1.	Protection measures		
	Measures to prevent fire:		Geep away from sources of heat and ignition. Do not smoke.
	Measures to prevent aerosol and dust generation	on: S	ecure 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	norougl	nly wash hands after work and before eating.
7.2.	Conditions for safe storage, including any incor	npatibil	ities
	Technical measures and storage conditions:	ventila	in tightly closed and upright set containers in a well ated storage rooms, and away from sources of heat, ht, and other incompatible substances.
	Packaging materials:	Manu	facturer's original packaging.
	Requirements for storage rooms and vessels:		away from food and drink. Keep the containers v closed.
	Advices for storage equipment:	be res	orage must be made of hard material; floors must istant to chemicals. There must be no drain that ly leads into sewage system. Secure proper ation.
	Further information on storage conditions:	and d	ot place the unused material in the storage room o not use empty containers for storing other cals. Do not store with incompatible materials (see on 9).
7.3.	Specific end use(s)		
	Recommendations:	-	
	Industrial sector specific solutions:	-	

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION					
8.1. Control parameters					
Substance	CAS No	Occupational exposure limit values/short term values	Biological limit values		



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Trading na	me:				TB MA	ALACHITI	E GRE	EN REA	GENT	
Product co	de:	TBM-O	Г-Х**		Date o	f compila	tion:	11 Jur	ne 2019.	Version: 3
					ı	ppm	mg	J/m³		
-			-			-		-	No inforr	nation available
Substance name:	-									
EC No:	-		CAS No:	_						
DNEL										
					Inc	lustrial				
Route of		A	Acute		Acut	e		Chron	nic	Chronic
exposure:		effe	ect local	ef	fect sys	temic		effect lo	ocal	effect systemic
Oral		-		-			-			-
Inhalation		-		-			-			-
Dermal		-		-			-			-
Critical phys	ical para	meters: s	solubility, fla	mmabi	lity, cor	rosivity:	-	-		
					Coi	nsumer				
Route of		ļ ,	Acute		Acut	e		Chron	nic	Chronic
exposure:		effe	ect local	ef	fect sys	temic		effect lo	ocal	effect systemic
Oral		-		-			-			-
Inhalation		-		-			-			-
Dermal		-		-			-			-
PNEC										
Environmen	tal prote	ction tar	get			PNEC				
Fresh water						No information available				
Freshwater s	sediment	ts				No inforr	mation	availabl	le	
Marine wate	er					No inforr	mation	availabl	le	
Marine sedir	ments					No inforr	mation	availabl	le	
Food chain						No inforr	mation	availabl	le	
Microorgani	sms in s	ewage tr	eatment			No inforr	mation	availabl	le	
Soil (agricult	tural)					No inforr	mation	availabl	le	
Air						No inforr	mation	availabl	le	
8.2.	Exposur	e contro	ls							
8.2.1.	Enginee	ering mea	sures							
	measure		re related	re :		•				se personal protective he workspace.



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

SECTI	ON 9 PHYSICAL AND CHEMICAL PR	OPERTIES	
9.1.	Information on basic physical and c	hemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Color:	blue-green	No information available
	Odor:	no odor	No information available
	Odor threshold:	No information available	No information available
	pH:	No information available	No information available
	Melting point / freezing point;	No information available	No information available



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Vapor density:	No information available	No information available
Relative density:	No information available	No information available
Bulk density:	No information available	No information available
Solubility(ies):	Soluble in water (20 °C)	No information available
Partition coefficient: n-octanol/water (log Kow):	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
Viscosity:	No information available	No information available
Explosive properties:	No information available	No information available
Oxidising properties:	No information available	No information available

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

SECTION 11 TOXIC	OLOGICAL INFORM	ATION				
11.1. Informatio	n on toxicological effe	ects				
Acute toxic	Acute toxicity:					
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results	
Oral exposure:	No information available	_	LD <sub>50</sub>	-	-	



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Dermal exposure	No information	on -	L	D <sub>50</sub>	-	-	_	
Inhalation exposure:	No informatio available	on -	L	.C <sub>50</sub>	-	-	-	
*					·			
Specific	target organ toxicit	ty – single exp	osure (STOT SE)					
	9	Specific effects		Target	organ		Note	
Oral exposure:	No informa	ation available	No	informatio	on available	-		
Dermal exposure	e: No informa	ation available	No	informatio	on available	-		
Inhalation expos	ure: No informa	ation available	No	informatio	on available	-		
Respira	tory irritation:	N	lo information a	vailable				
1,000,10	,	•	330.011					
Irritatio	n and corrosion							
	Exposure	time S	pecies Eva	luation	Method		Note	
Skin irritation: -		rabb	oit -			-		
Eye irritation:	-	rabb	oit -		-	-		
	:	·	:					
Sensitiz	ation							
Dermal exposure	e: No information	available						
Inhalation exposure:	No information	available						
·	i							
Sympto	ms related to the p	hysical, chemic	cal and toxicolog	jical chara	cteristics			
Oral exposure:	Swallowing ı	may cause disc	comfort in abdo	men and a	abdominal	pains.		
Dermal exposure	e: Allergic pers	ons may displ	ay irritation.					
Inhalation expos	ure: Allergic pers	ons may displ	ay irritation afte	r prolonge	ed or repea	ted exposur	e.	
Eye exposure:	May cause ir	ritation.						
Repeate	ed dose toxicity (sub	oacute, subchr	onic, chronic)					
	Dose	Exposure time	Species	Method	d Ev	aluation	Note	
Subacute oral	No information available	No information available	No information available	No informa availabl		o formation ailable	-	
Subacute dermal	No information available	No information available	No information available	No informa availabl		o formation ailable	-	



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Subacute inhalation	No availa	information Ible	No information available	No informati available	on	No information available	No informatio available	on	-	
Subchronic oral	No availa	information Ible	No information available	No informati available	ion	No information available	No informatio available	on	-	
Subchronic dermal	No availa	information Ible	No information available	No informati available	on	No information available	No informatio available	on	-	
Subchronic inhalation	No availa	information Ible	No information available	No informati available	on	No information available	No informatio available	on	_	
Chronic oral	No availa	information Ible	No information available	No informati available	on	No information available	No informatio available	on	-	
Chronic dermal	No availa	information Ible	No information available	ormation informati		No information available	No informatio available	on	-	
Chronic inhalation	hronic No information		No information available	No information available		No information available	No informatio available	on	_	
Specific	target		y – repeated e	xposure (S	TOT F	RE):				
			pecific effects			Target orga		Note		
Subacute oral			tion available		No information available -					
Subacute derma			tion available			nformation avai		-		
Subacute inhalat	ion		tion available			nformation avai		-		
Subchronic oral			tion available			nformation avai		-		
Subchronic derm			tion available			nformation avai		-		
Subchronic inha	ation		tion available			nformation avai		_		
Chronic oral Chronic dermal			tion available			nformation avai		-		
Chronic inhalation						nformation avail		_		
Chironic inhalatio	ווע	INO INIORMA	tion available		INO I	mormation avail	IaDIE	-		
CMR ef	fects (ca	arcinogenicity	, mutagenicity	y, reproduc	ctive t	oxicity)				
Carcino		nation ava		<b>,</b> ,						
Mutage				nation ava						
Genoto	·····			nation ava						
	·····	n-vivo:	No inforn	nation ava	ilable					
	Mutagenicity <i>in-vivo</i> :  Germ cell mutagenicity:			No information available						



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	Reproductive toxicity:	Reproductive toxicity: No information available					
	Summary of evaluation of the CMR properties: -						
11.2.	Practical experiences:						
	Remarks relevant for classification	on: No information available					
	Other remarks:	No information available					
11.3.	General notes:						
	-						

### **SECTION 12 ECOLOGICAL INFORMATION:**

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

#### 12.2. Persistence and degradability

Abiotic degradation



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		Degradation ha	alf-lives			Method			Evaluatio	n	Note
Marine water	No	o information a	vailable		No info	rmation availab	le	No inform	ation av	ailable	-
Fresh water	No	o information a	vailable		No info	rmation availab	ole	No inform	ation av	ailable	-
Air	No	o information a	vailable		No info	rmation availab	ole	No inform	ation av	ailable	-
Soil	il No information available			No info	rmation availab	le	No inform	ation av	ailable	-	
Biod	degra	 dation									
% Degradat	ion	Time (day	/s)		М	ethod		Evaluatio	n	١	lote
No informat available	ion	No info available	rmation		lo inform vailable	nation		o informatio railable		No informavailable	ation
		nulative potenti coefficient: n-o		wate	er (log Ko	ow):					
Value	Value Concentra		рН		°C	Method		Evalua	ation		Note
_	No avai	information lable	-		_	No informatior available	1	No inform available	ation	-	
Rio	conce	ntration factor	(BCF)								
Value		Spec				Method		Evaluation	on		Note
No informat available	ion	· ·	nformat	ion		ormation		o informatio		No inforn available	
Chr	onic e	ecotoxicity	:						:		
Va	llue	Do	se		osure ime	Species		Method	Eval	uation	Note
Chronic toxio	city or	n fish LC <sub>50</sub>	i	No nfor availa	mation able	No information available	1	o formation railable	No info	ormation le	-
Chronic toxicity on crustacea ( <i>Daphnia</i> )		: F(	i	No nfor availa	mation able	No information available		o formation railable	No info	ormation le	-



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

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12.4.	Мо	bility in soi	l						
	Knc	wn or pred	dicted distributi	on in environmen	tal c	ompartments:			
	No	informatio	n available						
	Sur	face tensio	n:	1				1	
	Value °C			Concentration	n	Metho	od		Note
		ormation ilable	No information available	information No information No information		No information available	n	-	
	Ads	orption / c	lesorption coefficient						
Transpo	ort	1	's constant	log Kow	Ev	aporation rate	Meth	nod	Note
Soil-wa	ater	No available	information	No information available	1	o information ailable	No inforr available	nation	-
Water-	air	No available	information	No information available		o information No information available		nation	-
Soil-air	•	No available	information	No information available		o information ailable	No inforr available	nation	-
40.5		l. CDDT							
12.5.			and vPvB asses	ssment					
	INO	informatio	n available						
12.6.	Oth	er adverse	effects						
		informatio							
	1								
SECTIO	ON 13	DISPOSA	L CONSIDERA	ΓIONS					
13.1.	W	aste treatr	nent methods						
13.1.1.	Pı	oduct/Pac	kaging disposa	:					
		ubmit for d otection.	isposal to the l	egal person autho	rize	d by the Ministr	y of Enviro	nmental	and Nature
13.1.2.	M	aste codes	s/waste designa	tions according to	) Lav	w:			
	N	o informat	ion available						



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1212	Wasta traatmant raleva	nt information.				
13.1.3.	Waste treatment – releva	nt information:				
	No information available					
13.1.4.	Sewage disposal – releva	nt information:				
13.1.4.		sed of into the sewage system.				
	waste must not be dispo	sed of into the sewage system.				
13.1.5.	Other disposal recommendations:					
	authorized by the ministr	oduct's remains into the sewage system. Submit the remains to the collectors y in charge. Do not dispose of the packaging into the sewage system. Submit ectors authorized by the ministry in charge. Do not dispose of in places where				
13.1.6.	Relevant Community pro	visions:				
	-					
SECTION	I 14 TRANSPORT INFORM	IATION				
	Transporting/shipment by I	road (ADR)				
UN number:		Not subject to transport regulations.				
UN proper shipping name:		-				
Transpor	t hazard class(es):	-				
Packing (	group:	-				
Environm	nentally hazardous:	-				
Special p	recautions for user:	-				
	Transporting/shipment by i	rail (RID)				
UN numl	ber:	Not subject to transport regulations.				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing (	group:	-				
Environm	nentally hazardous:	-				
Special p	recautions for user:	-				
	Inland waterway transport (	(ADN)				
UN numl	ber:	Not subject to transport regulations.				
UN prop	er shipping name:	-				
Transpor	t hazard class(es):	-				
Packing (	group:	-				
Environm	nentally hazardous:	-				



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UN number:	Not subject to transport regulations.	
UN proper shipping name:	-	
Transport hazard class(es):	-	
Packing group:	-	
Environmentally hazardous:	-	
Special precautions for user:	-	
Transporting/shipment by	air (ICAO-TI/IATA-DGR)	
UN number:	Not subject to transport regulations.	
UN proper shipping name:	-	
Transport hazard class(es):	-	
Packing group:	-	
Environmentally hazardous:	-	
Special precautions for user:	-	
Further information: The proc	duct is not subject to classification.	

15.1.	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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Trading name:	TB MALACHITE GREEN REAGENT			
Product code:	TBM-OT-X**	Date of compilation:	11 June 2019.	Version: 3

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

SECTIO	ON 16 (	Other information			
16.1.	Indica	ation of changes:	-		
16.2.	Abbro	eviations and acronyms.	PBT vPvB LD <sub>50</sub> LC <sub>50</sub> STOT-SE	Stable, bioaccumulative and toxic Strongly stable and strongly bioaccumulative. Lethal dose, 50% Lethal concentration, 50% 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)				
Classifi	assification C		Classification procedure		
-			-		
16.5.	. Relevant H statements (number and full text)				
	H302 Harmful if swallowed. H318 Causes serious eye damage.		eye damage.		
		H361 H400	Very toxic to a	lamaging fertility. Suspected of damaging the unborn child.	
		H410	,	quatic life with long lasting effects.	
16.6.					
16.7.	t Further information:		the product) We are not res	"* "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	

#### ANNEX:

**EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT**