

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

amended by Regulation (EU) No. 2020/878

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Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT				
Product code:	MBL-OT-X**	Revision date:	23 Dec 2022	Version:	9

1.1	Product identifier				
	Trading name:	METHYLEN	E BLUE LC	EFFLER'S REAGENT	
	Chemical name:	-			
	Catalogue number:	MBL-OT-X*	*		
1.2	Relevant identified uses of the substance or mixture and uses advised against			nixture and uses advised against	
	Uses:		For stair	ning in microbiology and histology.	
	Uses advised against:		Only the identified uses are advised. Unsuitable for human comsumption.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3	Details of the supplier	Details of the supplier of the safety data sheet			
	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb		
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent p	person:	msds@biognost.hr		
	National contact:		-		
1.4	Emergency telephone	number			
	National Protection a	nd Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Reg	ulation (EC) No 12	272/2008 (CLP)		
	Hazard class and categ	Hazard class and category code: Hazard statements*:			
	Flam. Liq. 3		H226		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-	-statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	Product identification: METHYLENE BLUE LOEFFLER'S REAGENT			
	Identification number:	-			
	Authorization number:	_			



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	Hazard pictograms:	GHS02		
	Signal word:	Danger		
	Hazard statements:	H225 Highly flammable liquid and vapor.		
	Precautionary statements:	P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection.		
	Supplemetal hazard information (EU):	-		
2.3	Other hazards			
	The product has no other know	n specific hazards for human or environment.		
	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.			
	Endocrine disrupting property:	Based on available data, does not contain endocrine disruptors.		

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)		
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	10 – 20 %	ethanol	Flam. Liq. 2; H225		

SECT	SECTION 4. First aid measures				
4.1	Description of first aid measu	ires			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.			
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.			



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	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting.  Do not give the victim anything orally, and do not induce vomiting if
		the victim is unconscious or suffers from convulsions.
	Self-protection of the first aider:	-
4.2	Most important symptoms and ef	fects, both acute and delayed
	Following inhalation:	Inhalation of larger quantities may affect the central nervous system.
	Following skin contact:	Prolonged or repeated dermal contact may cause the defatting and dryness of the skin.
	Following eye contact:	May irritate the eyes.
	Following eye contact: Following ingestion:	May irritate the eyes.  Ingestion of larger quantities may affect the central nervous system.
4.3	Following ingestion:	

SECTI	ON 5. Firefighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media:	Extinguishing powder, alcohol-resistant foam, water, carbon-dioxide.
	Unsuitable extinguishing media:	Water with full jet.
5.2	Special hazards arising from the substance or mixture	
	Hazardous combustion products:	Highly flammable liquid and vapour.  In case of fire, smoke, and other combustion products (carbon monoxide, carbon dioxide) may be formed, the inhalation of such combustion products can have serious adverse effects on health.  Vapours may form an explosive mix with air. Vapours may be ignited by open flames, sparks, electrical equipment, or static charge.  Vapours may travel to great distances, ignite in contact with ignition sources and flash back to the primer source (container).  Vapours of ethyl alcohol mix greatly with air and may form an explosive mixture. Air containing 3.3 – 19 % ethyl alcohol vapours may explode in contact with ignition sources. Diluting the mixture with large amounts of water results in the loss of its flammability (around 10 % concentration of ethyl alcohol).
5.3	Advice for firefighters	
	Wear full protective clothing and self-contained breathing apparatus. Cool the fire affected containers wit water spray. Use water spray to dissipate alcohol vapours.	
5.4	Additional information	
	-	



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SECTIO	ON 6. Accidental release meas	ures		
6.1	Personal precautions, protective equipment and emergency procedures			
6.1.1.	For non-emergency personne			
	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.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	ventilation. Vapours may accu	and clothing and inhaling gases, vapours and aerosols. Ensure adequate mulate at floor level in low and confined spaces. Remove all heat, ignition achines. Ignition spark arrestor must not be operated in the danger area. Use the risk of slipping.		
6.2	Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.			
6.3	Methods and material for con	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	Cleaning up:	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal.  During the collection, placement, disposal of the waste, wear appropriate individual protective equipment.  Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).		
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information on safe handling.  See Section 8 for information on personal protection equipment.  See Section 13 for disposal information.			

SECTIO	SECTION 7. Handling and storage			
7.1	Precautions for safe handling			
7.1.1.	Protection measures			



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	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generatio	n:	Ensure adequate ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.				
7.2	Conditions for safe storage, including any incompatibilities				
	Technical measures and storage conditions:	Store in a well-ventilated place, protected from sunligh away from sources of heat and ignition, in its origina unopened and hermetically sealed packaging, awa from oxidizing agents, food, feed and articles consumption.  Manufacturer's original packaging.			
	Packaging materials:				
	Requirements for storage rooms and vessels:	Keep away tightly clo	y from food and drink. Keep the containers sed.		
	Advices for storage equipment:	be resista	ge must be made of hard material; floors must nt to chemicals. There must be no drain that eads into sewage system. Secure proper n.		
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).			
7.3	Specific end use(s)				
	Recommendations:	_			
	Industrial sector specific solutions:	-			

SECTION 8. Exposure controls/personal protection						
8.1 Control parameters						
Substance	CAS No	· ·	exposure limit t term values	Biological limit values		
		ppm	mg/m³	-		
Ethanol	64-17-5	1000/-	1900/-	-		
			·			
Substance name: -						



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Trading na	ame:			М	ETHYLE	NE BLUE	LOEFFLER'S REA	GENT		
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	i				1		•		1	
EC No:		<u>-</u>	CAS No	•	-					
DNEL										
					Ind	ustrial				
Route of		Acu	te	А	cute		Chronic		Chronic	
exposure:		effect	local	effect	systemic		effect local	€	effect systemic	
Oral		-		-		-		-		
Inhalation		1900 mg (ethanol)		-		-		380 mg	/m³ (ethanol)	
Dermal		-		-		-		343 mg	/kg (ethanol)	
Critical physical parameters: solubility, flammabilit				oility, corr	osivity:	-				
					Cor	sumer				
Route of		Ad	cute	А	cute		Chronic		Chronic	
exposure:		effec	t local	effect	systemic		effect local	€	effect systemic	
Oral		-	, 2	-		-		87 mg/	kg bw/day (eth	anol)
Inhalation			_	-		-		114 mg	/m³ (ethanol)	
Dermal		-		-		-		206 mg	/kg (ethanol)	
PNEC										
Environmen	ntal prote	ection tar	get			PNEC				
Fresh water	•					0.96 mg/	(ethanol)			
Freshwater	sedimen	nts				3.6 mg/kg	g (ethanol)			
Marine wat	er					0.79 mg/	(ethanol)			
Marine sedi	iments					2.9 mg/kg	g (ethanol)			
Inhalation 950 mg/m³ (ethanol) -  Dermal				380-720 mg/kg (ethanol)						
Microorgan	isms in s	sewage tre	eatment			580 mg/l	(ethanol)			
Soil (agricul	ltural)					0.63 mg/	kg (ethanol)			
Air						no inform	nation available			
8.2	Exposu	ire contro	s							
8.2.1.	Approp	oriate eng	ineering	controls						
		nce/mixtu t exposure			res to	concentra concentra existing	of a hazardous mation limit it is the ation levels down to scientific and techn s substance poses n	e employ o a minir ological	er's duty to k num achievable means, where	keep e by
	Structu exposu	ıral measu ıre:	res to pre	event		In accord	ance with Section 7.			



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	Organisational measures to preve exposure:	nt	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent ex	oosure:	In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation.		
			Use non-sparkling ventilation system.		
			Provide appropriate personal protective equipment, safety shower and eye-wash station.		
8.2.2.	Personal protection equipment				
8.2.2.1.	Eye and face protection:	Use appropriate, chemical-proof protective glasses/face shield (EN ISO 16321-1:2022, EN 166).			
8.2.2.2.	Skin protection				
	Hand protection:	Use appropriate, chemical-resistant protective gloves (EN 374).			
	Other skin protection:	Use ap	propriate protective clothing.		
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If attration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).		
8.2.2.4.	Thermal hazards:	No the	rmal hazards known.		
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:	Adapt workpl	the work process to the required working conditions of the ace.		
	Technical measures to prevent exposure:	See Section 6			

SECT	SECTION 9. Physical and chemical properties						
9.1	Information on basic physical and chemical properties						
		Value	Method				
	Physical state:	liquid	No information available				
	Colour:	blue	No information available				
	Odour/odour threshold:	ethanol like/no information available	No information available				
	Melting point / freezing point:	No information available	No information available				



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	-		
9.2	Other information		
	Particle characteristics:	No information available	No information available
	Relative vapour density:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Vapour pressure:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
	Solubility:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	pH:	7.0 – 8.0 (20°C)	No information available
	Decomposition temperature:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Flash point:	40 °C	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flammability:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available

SECTI	ON 10. Stability and reactivity				
10.1	Reactivity:	See Section 10.5.			
10.2	Chemical stability:	Stable within normal temperature and general work conditions.			
10.3	Possibility of hazardous reactions:	See Section 10.5.			
10.4	Conditions to avoid:	Keep away from heat, sparks, open flames, strong heating and ignition sources. No smoking.			
10.5	Incompatible materials:	Strong oxidizing agents (inorganic strong acid, nitric acid, perchlorates, peroxy compounds, perchloric acid, permanganates etc.), alkali metals, alkali earth metals.			
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide.			

SECTION 11. Toxicological information							
11.1 Informat	11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008						
Acute to	Acute toxicity:						
Route of exposure:	Method	Species	Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mix</sub>	Exposure time	Results		
Oral:	_	rat (ethanol)	LD <sub>50</sub>	_	7.060 mg/kg		
Dermal:	-	rabbit (ethanol)	LD <sub>50</sub>	_	>20.000 mg/l		



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Inhalation:		-	rat (ethanol)		LC <sub>50</sub>		4 h	>	>8.000 n	ng/l
Specific	c targe	t organ toxicit	y – single expo	osure (S	TOT SE):					
į •			ific effects	`		Target orga	n	Note		
Oral:	N	lo information			No info	rmation avai				
Dermal:	٨	lo information	available		No info	rmation avai	lable -			
Inhalation:	٨	lo information	available		No info	rmation avai	lable -			
Aspirat	ion ha	zard:	٨	lo infori	mation a	vailable.				
			•							
Irritatio	n and	corrosion					-			
		Exposur	e time	Spec	ies	Evaluation	Method		Note	
Skin corrosion/irritat	Skin corrosion/irritation:		-			_	-	-		
Serious eye damage/irritatio	Serious eye		-			-	-	-		
Skin sensitizatio		NI= :f	ormation avai	1-1-1-						
Respiratory sens			ormation avai							
Respiratory sens	SILIZALIC	JII. INO IIII	Offilation avail	iable.						
Sympto	oms re	lated to the pl	nysical, chemic	al and t	oxicolog	ical character	istics			
Oral exposure:		Absorption unconscious	of great c ness and alcoh y occur. Repea	quantitie nol poise	es may oning. In	cause diz	ziness, drun wing great qu		nausea	
Dermal exposur	e:	After prolon cracking of s	ged or repea kin.	ited exp	oosure s	ymptoms ma	ay include: d	efatting,	dryness	s and
Inhalation expo	sure:	Inhalation of membranes.	great quantiti	es may o	cause diz	ziness, eupho	oria and mild i	rritation o	of the mu	ucous
Eye exposure:				dness.						
Repeat	ed dos	se toxicity (sub	acute, subchro	onic, chi	ronic)	:	:			
		Dose	Exposure time	Speci	es	Method	Evaluation	on	Note	
Subacute oral		information lable	No information available	No inforr availa	nation ble	No information available	No infor available		-	



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Subacute dermal	No i availa	information able	No information available	No information available	No information available	No inform available	nation	-
Subacute inhalation	No i availa	information able	No information available	No information available	No information available	No inform available	nation	-
Subchronic oral	oral No information available		No information available	No information available	No information available	No inform available	nation	-
Subchronic dermal			No information available	No information available	No information available	No inform available	nation	-
Subchronic inhalation	No information available		No information available	No information available	No information available	No inform available	nation	-
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 i availa	information able	No information available	No information available	No information available	No inform available	nation	-
Specific	target	organ tovicit	v – repeated e	xposure (STOT	DE).			
	target	organ toxicit	y repeated e.	xp03d1C (3101	IXL).			
Specific			Specific effect			rgan		Note
i •		No informa	Specific effection available	ts	Target o		_	Note
Subacute oral	<u> </u>			ts		n available	-	Note
Subacute oral Subacute derma		No informa	tion available	ts	No information	n available n available		Note
Subacute oral Subacute derma Subacute inhalat Subchronic oral		No informa	tion available	ts	No information	n available n available n available	-	Note
Subacute oral Subacute derma Subacute inhalat Subchronic oral	tion	No informa No informa No informa	tion available tion available tion available	ts	No information No information	n available n available n available n available	-	Note
Subacute oral Subacute derma Subacute inhalat Subchronic oral Subchronic dern	tion	No informa No informa No informa No informa	tion available tion available tion available tion available	ts	No information No information No information No information	n available n available n available n available n available	-	Note
Subacute oral Subacute derma Subacute inhalat Subchronic oral Subchronic dern Subchronic inha	tion	No informa No informa No informa No informa No informa	tion available tion available tion available tion available tion available	ts	No information No information No information No information No information	n available n available n available n available n available n available	-	Note
Subacute oral Subacute derma Subacute inhala	nal lation	No informa No informa No informa No informa No informa No informa	tion available tion available tion available tion available tion available	ts	No information No information No information No information No information No information	n available n available n available n available n available n available n available	-	Note



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	Mutagenicity in vitro:	Based on available data, the classification criteria are not met.				
	Genotoxicity:	Based on available data, the classification criteria are not met.				
	Mutagenicity in vivo:	Based on available data, the classification criteria are not met.				
	Germ cell mutagenicity:	Based on available data, the classification criteria are not met.				
	Reproductive toxicity:	Based on available data, the classification criteria are not met.				
	Summary of evaluation of the CN properties:	MR Based on available data, the classification criteria are not met.				
11.2	Information on other hazards:					
11.2.1.	Endocrine disrupting properties:					
	Based on available data, does not contain endocrine disruptors.					
11.2.2.	Other informations:					
	-					

SECTION 12. Ecologi	SECTION 12. Ecological information						
12.1 Toxicity							
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note	
Fish	LC <sub>50</sub>	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-	
Crustacea:	EC <sub>50</sub>	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-	
Algae/aquatic plants	IC <sub>50</sub>	4 days	algae	No information available	5.000 mg/l / 7d (ethanol)	-	
Other organisms	-	-	-	-	-	-	
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	_	



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e and degradation Degradation To information To information To information To information To information	available available	avai No i avai No i	Method information lable information lable	Evaluation No information available No information available	n		Note
egradation  Degradation has information  o information  o information	available available	avai No i avai No i	information lable information lable	No informatio available No informatio	n	-	Note
egradation  Degradation has information  o information  o information	available available	avai No i avai No i	information lable information lable	No informatio available No informatio	n	-	Note
Degradation holds information of inf	available available	avai No i avai No i	information lable information lable	No informatio available No informatio	n	-	Note
o information o information	available available	avai No i avai No i	information lable information lable	No informatio available No informatio	n	-	Vote
o information	available	avai No i avai No i	lable information lable	available  No informatio			
o information		avai No i	lable		n	_	
	available			avanabic			
o information		avdi	information lable	No informatio available	n	_	
	No information available		information lable	No information available		-	
Biodegradation  % Degradation Time (days)  No information No information			Method				
available	normation			available		available	
ulative notenti	اد						
		loa Ka	ow)				
Concentration	рН	°C	Method	Evalu	ıation		Note
	-	•	-	-			duct does accumulate
ntration factor	(BCF)						
Speci	es		Method	Evaluat	ion		Note
•				formation No informat		-	
	Time (  No ir available  ulative potential vater partition of the concentration factor (  Specience of the concentration of the concentration factor (  Specience of the concentration of the concentration factor (  Specience of the concentration of the concentration factor (  Specience of the concentration of the concentration factor (  Specience of the concentration of the concentration factor (  Specience of the concentration of the concentration factor (  Specience of the concentration	Time (days)  No information available  ulative potential vater partition coefficient (later partition phenomenation phenomenation factor (BCF)  Species  No information	Time (days)  No information No available  ulative potential  vater partition coefficient (log Karation phage)   otration factor (BCF)  Species  No information No information No information	Time (days)  No information available    Method   No information available	Time (days)  No information available  Water partition coefficient (log Kow)  Concentration pH °C Method Evaluation	Time (days)  No information available  Mode information information  No information information  No information information  No information	Time (days)  No information available  No information available  Water partition coefficient (log Kow)  Concentration pH  Concentration pH



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	Chroni	c ecoto	xicity								
	Value		Dose	Exposure time	Spe	ecies	Method E		valuation	Note	
Chroni	Chronic toxicity on fish LC <sub>50</sub>		No information available	No inforr availa	mation i	No nformati available		ormation ilable	-		
	c toxicity cea ( <i>Daph</i>		EC <sub>50</sub>	No information available	No inforr availa	mation i	No nformati available		ormation ilable	-	
10.4	N.A.   1111										
12.4	Mobilit										
		······································	dicted distributi	on in environm	ental c	compartm	ents:				
			n available								
	Surface										
	Val	ue	°C	Concentra	tion	1	Method			Note	
	No informa availab		No information available	No informa	tion	No infor available		-			
Transp		A/I	desorption D coefficient	log Kow	Fv	/aporation	n rate	Meth	nod	Note	
- Carrop			ry's constant	_		Evaporation rate				note	
Soil-wa	ater	No availa	information able	No information		No information available		No information available		-	
Water-	air	No availa	information able	No information		o informat ailable		lo inforn vailable	nation	-	
Soil-air	•	No availa	information able	No information		o informat ailable		lo inforn vailable	nation	-	
10.5											
12.5			and vPvB asses lable data, the p		nt cont	ain any DE	RT or v.D.v	R substa	nces		
	บลระนา	Jii aval	iabie data, tile p	TOUGET HOES HE	COIIL	ani aliy FE	ייטו ערע	o subsid	11003.		
12.6.	Endocr	ine disi	rupting properti	ies							
				not contain en							



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12.7.	Other adverse effects						
	Do not let the product or it	s residues reach sewer system, waterways and soil.					
SECTIO	N 13. Disposal consideration	ons					
13.1	Waste treatment method	S					
13.1.1.	Product/Packaging dispo						
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.						
13.1.2.	Waste codes/waste design	nations according to Law:					
	Packaging that contains residual hazardous substances or is contaminated with hazardous substances						
13.1.3.	Waste treatment – releva	nt information:					
	No information available						
13.1.4.	Sewage disposal – releva	nt information:					
	Waste must not be dispo	sed of into the sewage system.					
	1						
13.1.5.	Other disposal recomme						
	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 lectors authorized by the ministry in charge. Unused product residues may be					
13.1.6.	Relevant Community pro	visions:					
	Disposal must be made a	ccording to official regulations.					
SECTIO	N 14 TRANSPORT INFORM	IATION					
	Transporting/shipment by	road (ADR)					
UN num	nber:	1170					
UN prop	per shipping name:	Ethanol solution					
Transpo	rt hazard class(es):	3					
Packing	group:	III					
Environi	mentally hazardous:	-					
Special	precautions for user:	-					
	Transporting/shipment by	rail (RID)					
UN num	nber:	1170					



#### **SAFETY DATA SHEET**

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

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UN proper shipping name:	Ethanol solution		
Transport hazard class(es):	3		
Packing group:	III		
Environmentally hazardous:	-		
Special precautions for user:	-		
Inland waterway transport (ADN			
UN number:	1170		
UN proper shipping name:	Ethanol solution		
Transport hazard class(es):	3		
Packing group:	III		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by sea (I	MDG)		
UN number:	1170		
UN proper shipping name:	Ethanol solution		
Transport hazard class(es):	3		
Packing group:	III		
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:	1170		
UN proper shipping name:	Ethanol solution		
Transport hazard class(es):	3		
Packing group:	III		
Environmentally hazardous:	-		
Special precautions for user:	-		
Further information: volume is not IATA: Special I	Provision 144 – An aqueous solution containing 24% or less alcohol by subject to classification.  Provision A58 - An aqueous solution containing 24% or less alcohol by subject to classification.		

#### **SECTION 15. Regulatory information**

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



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	EU regulations	:U regulations		
	Authorization and/or restrictions of use			
	Authorizations:	-		
	Restrictions:	-		
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).		
	dangerous substances, mixtures and articles (Annex XVII);  Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-			
	guideline)	Chamicals Act Pagulation on classification packaging and labeling of		
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act		
15.2	Chemical safety assessme	nt		
	None			

SECTION 16. Other information	
16.1 Indication of changes:	-



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

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	,			
16.2 Abbreviations and acronyms:		ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative		
16.3.	Key literature references and source of data:  Manufacturer's MSDS file.			
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classifi	cation	Classification procedure		
_		-		
16.5.	Relevant H statements (numb	er and full text)		
	H: 225	Highly flammable liquid and vapour.		
	226	Flammable liquid and vapour.		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product)  We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

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	ANNEX: Exposure scenario resulting to chemical safety assessment