

Page 1 of 16

Trading name:	М	METHYLENE BLUE LOEFFLER'S REAGENT						
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8			

SECTI	ON 1: Identification of t	he substance	e/mixture	and of the company/undertaking	
1.1	Product identifier				
	Trading name:	METHYLEN	e blue lo	EFFLER'S REAGENT	
	Chemical name:	-			
	Catalogue number:	MBL-OT-X*	*		
1.2	Relevant identified use	s of the subs	tance or m	nixture and uses advised against	
	Uses:		For stain	ing in microbiology and histology.	
	Uses advised against:		Only the	identified uses are advised.	
Reason why uses advised against: medical device, registered at the Agence				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 sheet				
	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	d Rescue Dire	ectorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substan	ce or mixture			
2.1.1	Classification according to F	Regulation (EC) No 12	272/2008 (CLP)		
	Hazard class and cat	egory code:	Hazard statements*:		
	Flam. Liq. 3		H226		
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Haza	rd-statements: see S	ECTION 16		
2.2	Label elements				
	Product identification:	METHYLENE BL	UE LOEFFLER'S REAGENT		
	Identification number:	-			
	Authorization number:				



Page 2 of 16

Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT						
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8		

	Hazard pictograms:	GHS02
	Signal word:	Warning
	Hazard statements:	H226 Flammable liquid and vapor
	Precautionary statements:	 P210 Keep away from heat/sparks/open flames/hot surfaces Do not smoke. P233 Keep container tightly closed. P281 Use personal protective equipment as required.
	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)				
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- xxxx	<20 %	ethanol	Flam. Liq. 2; H225				

SECT	ION 4. First aid measures	
4.1	Description of first aid measu	ıres
	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.



Page 3 of 16

Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT					
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8	

	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:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.		
4.3	Indication of any immediate medi	cal attention and special treatment needed		
	-			

SECTI	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media:	No information available			
5.2	Special hazards arising from the su	ubstance or mixture			
	Hazardous combustion products:	Incomplete combustion of the product.			
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 environm	ent with extinguishing media.			

SECTIC	SECTION 6. Accidental release measures				
6.1	Personal precautions, protective	equipment and emergency procedures			
6.1.1.	For non-emergency personnel				
	Protective equipment: Use personal protective equipment (see Section 8).				
	Accident prevention methods: Evacuate members of all non-essential personnel and those memb 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:				



Page 4 of 16

Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT					
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8	

	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 cor	ntainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.		
6.3.3.	Other information:	Do not use incompatible materials (see Section 10).		
6.4	Reference to other sections			
	See Section 7 for information	See Section 7 for information on safe handling.		
	See Section 8 for information	on personal protection equipment.		
	See Section 13 for disposal in	formation.		

SECTIO	DN 7. Handling and storage			
7.1	Precautions for safe handling			
7.1.1.	. Protection measures			
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks.	
	Measures to prevent aerosol and dust generatio	n:	Secure proper ventilation.	
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.	
	Other measures:		-	
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.	
7.2	Conditions for safe storage, including any incom	patibilities		
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage roomsat temperatures ranging from 15 to 25 °C.		
	Packaging materials:	Manufactu	ırer's original packaging.	
	Requirements for storage rooms and vessels: Keep away from food and drink. Keep the contai tightly closed.			
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no dr that directly leads into sewage system. Secure proper ventilation.		



Page 5 of 16

Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT				
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8
			:	i.	

	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:	-

SECTIO	ON 8. Expos	ure contro	ols/perso	onal protect	tion				
8.1	Control pa	rameters							
Substance				•	ccupational exposure limit values/short term values		Biological limit values		
					рр	m	mg/m ³		
Ethano	bl		64	-17-5	100	0/-	1900/-	-	
		No.							
Substa	nce name:	-					1		
EC No:		-	CAS No): -					
DNEL									
				1	Indu	strial		1	
Route	-	Αсι		Acute			Chronic	Chronic	
exposi	ure:	effect	local	effect sys	temic		effect local	effect systemic	
Oral		-		-		-		-	
Inhalat	ion	-		-		-		950 mg/m ³ (ethanol)	
Derma	l	-		-		-		343 mg/kg (ethanol)	
Critical	physical par	ameters: s	olubility,	flammability	y, corro	sivity:	-		
					Cons	umer			
Route	-	Ac		Acute			Chronic	Chronic	
exposi	ure:	effect	local	effect syster	mic	(effect local	effect systemic	
Oral		-		-	-			-	
Inhalat	ion	-		-	-			114 mg/m ³ (ethanol)	
Derma	l	-		-	-			206 mg/kg (ethanol)	
PNEC									
Environmental protection target				Р	NEC				
Fresh water				0.	0.96 mg/l (ethanol)				
Freshw	ater sedime	nts			3.	3.6 mg/kg (ethanol)			
Marine	water				0.	.79 mg/	l (ethanol)		
Marine	sediments				n	o inforn	nation available		



Page 6 of 16

Trading r	name:		METHYL	ENE BLUE LOEFI	LER'S REAGENT	Page 6 of 1	0	
Product of		MBL-OT-X** Date o		of compilation: 13 June 2019 Version:			8	
1 iouuce e			Dute		13 June 2013	version.	0	
Food chai	n			no information a	vailable			
Microorga	nisms in	sewage treatment		no information a	vailable			
Soil (agric	ultural)			0.63 mg/kg (etha	anol)			
Air				no information a	vailable			
8.2		ure controls						
8.2.1.	Appro	priate engineering cor	ntrols					
		ance/mixture related m nt exposure during ide			in well ventilated ro ment. Do not eat, dr			
	Struct expos	ural measures to preve ure:	ent	In accordance w	ith Section 7.			
	Organ expos	iisational measures to ure:	prevent	Organization of work in order to reduce other worker's influence during work process.				
	Technical measures to prevent exposur		ent exposure:	Secure proper workspace ventilation in order to keep ure: concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.				
8.2.2.	Perso	nal protection equipme	ent	3				
8.2.2.1.	Eye ar	nd face protection:	levels	of concentration ir	to face (EN 166) or v n air; protective gas her levels of concen	mask that covers		
8.2.2.2.	Skin p	rotection	k					
	Hand	protection:	•	e protective gloves have to satisfy the specification of gulation (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Break through time: > 480 min				
	Other	skin protection:	footwe entire imperr	g everyday work use cotton clothing (EN 340) and suitable rear, such as rubber boots (EN 20345) or shoes that cover the foot. In case of spilling hazard, use clothing made of rmeable material suitable for protection from liquid chemic h, PVC, himex) and footwear made from the same material.			er the micals	
8.2.2.3.	Respir	ratory protection:	for org	Suitable mask (EN 136) or half mask (EN 140) equipped with a fil for organic vapors, type "A" (boiling point >65°C) according to E 14387) used when concentration levels exceed GVI.				
8.2.2.4.	Therm	nal hazards:	No inf	ormation available	· · · · · · · · · · · · · · · · · · ·			
8.2.3.	Enviro	nmental exposure con	itrols					
		ance/mixture related ures to prevent exposu	re: See Se	ction 6				



Page 7 of 16

Trading name: METHYLENE BLUE LOEFFLER'S REAGENT					
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8

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

9.1	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	blue	No information available
	Odour:	ethanol like	No information available
	Odor threshold:	No information available	No information available
	pH:	7.0 – 8.0 (20°C)	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:	40 °C	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):	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



Respiratory sensitization:

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

Page 8 of 16

Trading name:		METHYLENE BLUE LOEFF	LER'S REAGENT		
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8

SECTIO	ECTION 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:	Risk of explosion after contact with strong acids, alkali metals, alkali metal oxides, nitric acid, oxidizing substances.			
10.4	Conditions to avoid:	High temperatures, ignition sources, open flame.			
10.5	Incompatible materials:	Oxidants, acids, alkali metals.			
10.6	Hazardous decomposition products:	Non-degradable if used in the described manner.			

11.1	Information on toxicological effects								
	Acute toxic	ity:							
Route o exposu		Method	Species	Do	se LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure tir	ne Results		
Oral:		-	rat (ethanol)		LD ₅₀	-	7.060 mg/kg		
Dermal	:	-	-		-	-	-		
Inhalat	ion:	-	rat (ethanol)		LC ₅₀	4 h	20.000 mg/l		
	Specific tar	get organ tox	icity – single exp	oosure (S	fot se):				
		Sp	ecific effects	Target o		rgan	Note		
Oral:	Dral: No information available		on available		No information available		-		
Dermal	:	No informati	on available	No information available		-			
Inhalat	ion:	No informati	nformation available		No information available -		-		
	Aspiration	hazard:		No inforn	nation available.				
	Irritation ar	nd corrosion							
		Expo	sure time	Speci	es Evaluatio	on Method	Note		
Skin corrosion/irritation:			-	-	-	-			
Serious eye damage/irritation			_	-	-	-			
	Sensitizatio	n							

No information available.



Page 9 of 16

Trading name:			MFTH	IYLENE BLUE		FR'S R	FAGENT	Page 9 of 1	.0
Product code:	м	BL-OT-X**		ate of compilat			e 2019	Version:	8
Troduct code.	141	DE OT X			.1011.	13 Jul	2015	version.	0
Sympto	ms rel	ated to the ph	ysical, chemic	al and toxicolog	jical cha	racterist	ics		
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.						
4									
Repeate	d dos	e toxicity (sub	acute, subchro	onic, chronic)	1		1		
		Dose	Exposure time	Species	Meth	od	Evaluation	n Note	
Subacute oral	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Subacute dermal	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Subacute inhalation	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Subchronic oral	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Subchronic dermal	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Subchronic inhalation	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Chronic oral	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Chronic dermal	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Chronic inhalation	No avail	information able	No information available	No information available	No infori availa	mation able	No informatic available	on -	
Specific	target	t organ toxicit	· ·	exposure (STOT	RE):				
			Specific effe	cts		Target o	•	Note	
Subacute oral Subacute dermal			tion available				n available n available	-	



Page 10 of 16

Tradin	g name:	METHYLENE BLUE LOEFFLER'S REAGENT										
Produ	ct code:	MBL-	OT-X**	Date	of compilatic	on:	13 June 2019	Version:	8			
	ite inhalatic		lo information			NI :	f					
						No information available		-				
	onic oral		lo information				formation available	-				
	onic derma		lo information			No information available -						
	onic inhalat		lo information				formation available	-				
Chronie			lo information				formation available	-				
	c dermal		lo information			-	formation available	-				
Chronie	c inhalation	Ν	lo information	available		No in	formation available	-				
		inogenicity; mu	itagenicity; re	•		-						
	Carcinogenicity:			No informati								
	Mutagen		itro:		No informati							
	Genotoxi				No information available No information available							
	Mutagen	-										
	Germ cell	l mutage	enicity:		No information available							
	Reproduc	ctive toxi	city:		No information available							
	Summary of evaluation of the CMR properties:		the CMR	No informati	ion a	vailable						
11.2	Practical	experien	ces:									
	Classifica	tion obs	ervations:		No information available							
	Other ob	Other observations:				No information available						
11.3	General r	notes:										
	-											

SECTION 12. Ecologi	cal informat	ion				
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



Other organisms

-

-

-

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

-

-

Page 11 of 16

-

						Page II OF.	10				
Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT										
Product code:	ct code: MBL-OT-X**		Date of compilation: 13 Ju		13 June 2019	Version:	8				
Fish	LC ₅₀	96 hours	No information available	No informat available		on -					
Crustacea:	EC ₅₀	48 hours	No information available	No informat available		on -					
Algae/aquatic plant	s IC ₅₀	72 hours	No information available	No informat available		on -					

12.2 Persist	tence and degradability			
Abioti	c degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

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

12.3	Bioa	ccumulative potenti	al				
	Octa	nol-water partition	coefficien	t (log Ko	w)		
Val	ue	Concentration	рН	°C	Method	Evaluation	Note
-		-	-	-	-	-	-
	Bioco	oncentration factor	(BCF)				
,	Value	Spec	ies		Method	Evaluation	Note



Page 12 of 16

	tion Nc ava	BL-OT-X** inform ailable	ation	No infor	matio	mpilatio			e 2019		Version:	8
available Ch	ava		ation			'n	No info	rmatic				
				nation No information available			No information available		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-		
1												
V	ronic ecoto	xicity	;	1			1				1	
	alue	Dose		osure ime	Spe	ecies	Meth	od	Evalu	ation	Note	
Chronic tox	hronic toxicity on fish LC ₅₀		No infori availa	mation			No informa availab		No inform availab		-	
Chronic tox crustacea (<i>L</i>	•	EC ₅₀	No infori availa	mation	No inforr availa	nation ble	No informa availab	1	No inform availab		-	
Kn	obility in soi own or prec o informatio	licted distributi	on in e	environme	ntal c	ompart	ments:					
Sui	rface tensio	n:										
	Value	e °C Co			on		Metho	d			Note	
	o ormation ailable	No information available	No information available		on	n No information available		۱ -				
Ad	sorption / d	lesorption										
Transport		coefficient 's constant	lc	og Kow	Eν	aporati	on rate	٩	Nethod		Note	
Soil-water	No available	information	No ir availa	nformatior able		o inform ailable	nation	No in availa	formation ble	on	-	
Water-air	No available	information	No ir availa	nformatior able		o inform ailable	nation	No in availa	formation ble	on	-	
Soil-air	No available	information		No information No inform available available			nation No informati available		on	-		



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

DI	UGN	IOST [®]	According to Regulation (EC) No. 190//2006	Page 13 of 16				
Tradin	g name:		METHYLENE BLUE LOEF	FLER'S REAGENT					
Produc	ct code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8			
12.6		verse effects							
	No inforr	nation available							
SECTIC	N 13 Disr	oosal consideration	c						
13.1	-	treatment methods	<u> </u>						
13.1.1.	Produc	t/Packaging disposa	l:						
		•	egal person authorized by the Min	istry of Environment	tal and Nature				
	Protect	ion.							
13.1.2.	Waste	codes/waste designa	ations according to Law:						
13.1.2.		Ţ	idual hazardous substances or is c	ontaminated with ha	azardous substance	es			
	Tuckug								
13.1.3.	Waste 1	treatment – relevant	information:						
	No info	ormation available							
13.1.4.	Sewage	e disposal – relevant	information:						
	Waste i	must not be dispose	d of into the sewage system.						
	i								
13.1.5.		lisposal recommend							
		• •	uct's remains into the sewage system of the providence of the prov						
		authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge.							
13.1.6.		nt Community provis							
	-								
SECTIC	ON 14 TRA	NSPORT INFORMA	TION						
	Transpor	ting/shipment by roa	ad (ADR)						
UN nur	nber:		1170						
UN pro	per shippir	ng name:	Ethanol solution						
•	ort hazard o	class(es):	3						
	g group:		Ш						
	imentally h		-						
Special	precaution		- -						
		ting/shipment by rai							
UN nur			1170						
UN pro	per shippir	ng name:	Ethanol solution						

Page 14 of 16

Trading name:		N	IETHYLENE BLUE LOEF	LER'S REAGENT						
Product code:	MBL-OT-X**		Date of compilation:	13 June 2019	Version:	8				
T		_								
Transport hazard o	lass(es):	3								
Packing group:										
Environmentally ha		-								
Special precaution		-								
1	terway transport (ADN	1	70							
UN number:		11								
UN proper shipping name:			nanol solution							
Transport hazard o	class(es):	3								
Packing group:	-	III								
Environmentally ha		-								
Special precaution		-								
· · · · ·	ing/shipment by sea (l									
UN number:			70							
UN proper shippin		Ethanol solution								
Transport hazard c	lass(es):	3								
Packing group:		III								
Environmentally ha	azardous:	-								
Special precaution	s for user:	-								
Transport in bulk of MARPOL 73/78	according to Annex II and the IBC code:	-								
Transport	ing/shipment by air (IC	CAO-	TI/IATA-DGR)							
UN number:		11	70							
UN proper shippin	g name:	Ethanol solution								
Transport hazard o	lass(es):	3	3							
Packing group:		III	III							
Environmentally ha	azardous:	-								
Special precaution	s for user:	-								
Further informatio	n: IATA: Special	subj Provi	sion 144 – An aqueous solu ect to classification. sion A58 - An aqueous solu ect to classification.	Ū.		-				

SECTIC	DN 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



Page 15 of 16

Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT								
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8				

	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 1999/13/EC about limitation of emissions of volatile organic compounds (VOC- guideline)		
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act	
15.2	Chemical safety assessme	ent	
	None		

SECTION 16. Other information					
16.1	Indication of changes:	-			
16.2	Abbreviations and acronyms:	PBT vPvB LD ₅₀ LC ₅₀ TCOJ	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)				
Classification		Classification procedure			
-		_			
16.5.	5. Relevant H statements (number and full text)				



Page 16 of 16

Trading name:	METHYLENE BLUE LOEFFLER'S REAGENT				
Product code:	MBL-OT-X**	Date of compilation:	13 June 2019	Version:	8

	H: H225 H226	Highly flammable liquid and vapour. Flammable liquid and vapour.
16.6.	Training advice:	-
		** "X" in the product code marks different volumes (different packagings of the product)
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to chemical safety a	assessment
---	------------