

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

Page 1 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT		
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012
		Version:	1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING	
1.1.	Product identifier
	Trading name: METHYLENE BLUE LOEFFLER REAGENT
	Chemical name: -
	Product code: MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500
1.2.	Relevant identified uses of the substance or mixture and uses advised against
	Identified uses: Solution for staining in microbiology and histology.
	Uses advised against: Only the identified uses are advised.
	Restrictions on use: The product is intended for use only as an <i>in vitro</i> diagnostic medical device and there is no reason to use it for other purposes.
1.3.	Details of the supplier of the safety data sheet
	Company: BioGnost Ltd.
	Address: Medjugorska 59, Zagreb
	Tel. No.: +385 1 2409997
	Fax no.: +385 1 2404039
	Responsible person e-mail: vladimir.ramljak@biognost.hr
	National contact person: Vladimir Ramljak
1.4.	Emergency telephone numbers
	Emergency number: 112
	Telephone number for medical information: +385 1 2348 342
	Other information: -

SECTION 2. HAZARDS IDENTIFICATION	
2.1.	Classification of the substance or mixture
2.1.1.	Classification (REGULATION (EC) No. 1272/2008 (CLP))
	Hazard class and category code: Flammable liquid 3
	Warning statements*: H226
2.1.2.	Classification 1999/45/EC
	Danger symbol: Flammable; F
	Warning statements*: R: 10
2.1.3.	Additional information
*For the full text of the R, H and EUH phrases mentioned in this section, see Section 16.	
2.2.	Label elements according to 1999/45/EC or REGULATION No. 1272/2008 (CLP)
	Product identification: METHYLENE BLUE LOEFFLER REAGENT
	Index no.: -

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

Page 2 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT				
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version:	1

Authorization no.:	-
Hazard pictograms:	 GHS02
Signal word:	Danger
Warning 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. P280 Wear protective gloves/protective clothing/eye/protection/face protection.
Further information:	-
2.3. Other hazards	
	-

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS					
CAS/ EC/ Index no.	REACH registration number	Mass %	Name	Classification according to 67/548/EEC	Classification according to (EC)1272/2008 (CLP)
64-17-5/ 200-578-6/ 603-002-00-5	-	15-25	Ethanol	Highly flammable; F; R11	Flammable liquid 2, H225

SECTION 4. FIRST AID MEASURES	
4.1.	Description of first aid measures
Note:	If the suggested first aid measures do not prove sufficient, seek medical attention.
After 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.
After skin contact:	Remove contaminated clothing. Thoroughly wash with water for 15 minutes.
After eye contact:	Rinse the eyes using mild jet of clean water for at least 15 minutes with the eyelids held wide open.
After swallowing:	Rinse the mouth thoroughly with water. If the afflicted person is conscious, provide them with large amounts of water. Consult a physician.

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

Page 3 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT		
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012
		Version:	1

	Personal protection used by the person providing first aid measures:	-
4.2.	Most important symptoms and effects, both acute and delayed	
	After inhalation:	May cause eye irritation and upper respiratory system (stinging sensation, irritation). Bronchoconstriction is possible. Possible symptoms include CNS symptoms such as headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration.
	After skin contact:	Defatting, dry skin.
	After eye contact:	Splatter may cause discomfort, stinging sensation, conjunctival redness, corneal surface lesions.
	After swallowing:	It may lead to occurrence of strong sensation of stinging, headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration. If denaturants are present, dyspepsia may occur (such as vomiting).
4.3.	Indication of any immediate medical attention and special treatment needed	
	No information available	

SECTION 5. FIREFIGHTING MEASURES		
5.1.	Extinguishing media	
	Suitable extinguishing media:	Small fire - water spray, dry powder, alcohol-resistant foam, CO2 Large fire - water spray or alcohol-resistant foam
	Unsuitable extinguishing media:	Water jet
5.2.	Special hazards arising from the substance or mixture	
	Hazardous byproducts of fire:	Incomplete combustion of the product.
5.3.	Advice for firefighters	
	Stay in danger area only with self-contained open-circuit compressed air breathing apparatus and a set for protecting the body from heat dissipation (fireproof clothing).	
5.4.	Further information	
	-	

SECTION 6. ACCIDENTAL RELEASE MEASURES		
6.1.	Personal precautions, protective equipment and emergency procedures	
6.1.1.	Advice for non-emergency personnel:	
	Protective equipment:	When disposing of small quantities use protective clothing. When disposing of large quantities use self-contained open-circuit compressed air breathing apparatus or self-contained closed-circuit air breathing apparatus.

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

Page 4 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT		
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012
		Version:	1

	Accident prevention procedure:	Secure a safety zone, remove all ignition sources, and in case of an accident inform the Emergency service (112) and the manufacturer or sender. Position a prohibition sign with symbols of flame and devices that cause sparks.
	Procedure in case of accident:	Remove or neutralize all factors that may exacerbate the condition, use all allowed means of containing the situation and use recommended means of personal protection.
6.1.2.	Advice for emergency responders:	
	Self-contained open-circuit compressed air breathing apparatus, a set for protecting the body from heat dissipation (fireproof clothing).	
6.2.	Environmental precautions:	
	Use sand protective barrier to prevent further spillage of chemicals. Prevent environmental pollution by not allowing the chemicals to enter the sewage system, surface water or groundwater.	
6.3.	Methods and materials for containment and cleaning	
6.3.1.	For containment:	Sand protective barrier or barriers made of similar materials
6.3.2.	For cleaning:	Sawdust, sand, mineral adsorbents
6.3.3.	Other information:	Secure proper ventilation. Contact the responsible person; in case of larger spills and possible environmental pollution contact National Protection and Rescue (112).
6.4.	Reference to other sections	
	-	

SECTION 7. HANDLING AND STORAGE		
7.1.	Precautions for safe handling	
7.1.1.	Protection measures	
	Measures for fire prevention:	Keep away from sources of ignition and heat. Do not use tools that cause sparks.
	Measures for preventing spray and dust formation:	Secure proper ventilation.
	Environmental precautions:	Prevent spilling into the sewage system and waterways.
7.1.2.	Workspace hygiene measures	
	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:	Keep in a well-ventilated place. Keep away from heat and direct solar radiation.
	Containers materials:	Manufacturer's original packaging.
	Requirements for storage and containers:	Keep away from food and drink. Keep the containers tightly closed.

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

Page 5 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT			
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version: 1

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.
Other information on storage conditions:	-
7.3. Specific end use(s)	
Recommendations:	-
Special decisions for industry sector:	-

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Substance	CAS number	Exposure limit values (GVI/KGVI)		Biological limit values
		ppm	mg/m ³	
Ethanol	64-17-5	1000	1900	No information available

Substance name: -

EC number: - CAS number: -

DNEL

Industry

Exposure type:	Acute local effects	Acute systemic effects	Chronic local effects	Chronic systemic effects
By swallowing	-	-	-	-
By inhalation	-	-	-	-
By skin contact	-	-	-	-

Key physical parameters: solubility flammability, corrosion: -

User

Exposure type:	Acute local effects	Acute systemic effects	Chronic local effects	Chronic systemic effects
By swallowing	-	-	-	-
By inhalation	-	-	-	-
By skin contact	-	-	-	-

PNEC

Protected environmental element	PNEC
Fresh water	No information available
Fresh water sediments	No information available
Salt water	No information available

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

Page 6 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT		
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012
		Version:	1

Salt water sediments	No information available
Food chain	No information available
Microorganisms (during wastewater processing)	No information available
Soil (agricultural)	No information available
Air	No information available

8.2.	Exposure controls	
8.2.1.	Engineering measures	
	Measures for preventing exposure during recommended use:	Do not eat, drink or smoke in the workspace. Use personal protective equipment.
	Structural measures for preventing exposure:	No information available
	Organizational measures for preventing exposure:	Organization of work in order to reduce other worker's influence during work process.
	Technical measures for preventing exposure:	See Section 7.2
8.2.2.	Individual protection measures	
8.2.2.1.	Eye/face protection:	Safety glasses that stick to face 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:	In case of coming into thorough contact, use butyl rubber gloves (0.4 mm thick). In case of contact with drops, use polychlorene gloves (0.1 mm thick).
	Body protection:	During everyday work use cotton clothing and suitable footwear, such as rubber boots or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material.
8.2.2.3.	Respiratory system protection:	If the concentration level exceeds the GVI values (or because of inadequate ventilation), use full gas mask equipped with brown filter A.
8.2.2.4.	Thermal hazards:	
8.2.3.	Environmental exposure controls	
	Measures for preventing substance exposure:	See Section 6
	Structural measures for preventing exposure:	Use modern equipment.

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

Page 7 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT		
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012
		Version:	1

Organizational measures for preventing exposure:	Adapt the work process to the required working conditions of the workplace.
Technical measures for preventing exposure:	See Section 6

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties			
		Value	Method
Form:		Liquid	No information available
Color:		Colorless	No information available
Odor (odor threshold):		Mild	No information available
pH		8.0 - 9.0 (20 °C)	No information available
Melting point:		No information available	No information available
Boiling point:		100 °C	No information available
Flash point:		≥ 35 °C	No information available
Evaporation rate:		No information available	No information available
Flammability (solid, gas):		No information available	No information available
Lower and upper explosion limits:		No information available	No information available
Vapor pressure:		No information available	No information available
Relative vapor density:		No information available	No information available
Relative density:		0.97 g/cm ³	No information available
Fill density:		No information available	No information available
Solubility:		Soluble	No information available
Partition coefficient: n-octanol/water (log Pow):		No information available	No information available
Self-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
Oxidizing properties:		No information available	No information available
9.2. Other information			
		-	

SECTION 10. STABILITY AND REACTIVITY

10.1.	Reactivity:	The product is stable under normal working and storage conditions.
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).

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

Page 8 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT				
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version:	1

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.

SECTION 11. TOXICOLOGICAL INFORMATION					
11.1. Information on toxicological effects					
Acute toxicity:					
Consumption:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure period	Outcome
Swallowing:	No information available	rat (ethanol)	6,200 mg/kg (ethanol)	4 h (ethanol)	-
Skin contact:	No information available	No information available	No information available	No information available	-
Inhaling:	No information available	rat (ethanol)	> 8,000 mg/L (ethanol)	4 h (ethanol)	-
Specific target organ toxicity - single exposure (STOT-SE):					
	Specific effects	Target organ	Note		
Swallowing:	No information available	No information available	-		
Skin contact:	No information available	No information available	-		
Inhaling:	No information available	No information available	-		
Respiratory irritation: May cause respiratory irritation.					
Irritation and corrosion					
	Exposure period	Organism	Evaluation	Method	Note
Skin irritation:	No information available	No information available	No information available	No information available	-
Eye irritation:	No information available	No information available	No information available	No information available	-
Sensitization					
Skin contact:	No information available				
Inhaling:	No information available				

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

Page 9 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT				
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version:	1

Specific symptoms						
Swallowing:	It may lead to occurrence of strong sensation of stinging, headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration. If denaturants are present, dyspepsia may occur (such as vomiting).					
Skin contact:	Defatting, dry skin.					
Inhaling:	May cause eye irritation and upper respiratory system (stinging sensation, irritation). Bronchoconstriction is possible. Possible symptoms include CNS symptoms such as headache, vertigo, intoxication and loss of consciousness after exposure to higher levels of concentration.					
Eye contact:	Splatter may cause discomfort, stinging sensation, conjunctival redness, corneal surface lesions.					
Repeated dose toxicity (subacute, subchronic, chronic)						
	Dose	Exposure period	Organism	Method	Evaluation	Note
Subacute oral toxicity	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal toxicity	No information available	No information available	No information available	No information available	No information available	-
Subacute inhaling toxicity	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral toxicity	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal toxicity	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhaling toxicity	No information available	No information available	No information available	No information available	No information available	-
Chronic oral toxicity	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal toxicity	No information available	No information available	No information available	No information available	No information available	-
Chronic inhaling toxicity	No information available	No information available	No information available	No information available	No information available	-

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

Page 10 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT			
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version: 1

Specific target organ toxicity - repeated exposure (STOT-RE):			
	Specific effects	Target organ	Note
Subacute oral toxicity	No information available	No information available	-
Subacute dermal toxicity	No information available	No information available	-
Subacute inhaling toxicity	No information available	No information available	-
Subchronic oral toxicity	No information available	No information available	-
Subchronic dermal toxicity	No information available	No information available	-
Subchronic inhaling toxicity	No information available	No information available	-
Chronic oral toxicity	No information available	No information available	-
Chronic dermal toxicity	No information available	No information available	-
Chronic inhaling toxicity	No information available	No information available	-
CMR effects (carcinogenicity, mutagenicity, reproductive toxicity)			
Carcinogenicity:	No information available		
<i>In-vitro</i> mutagenicity:	No information available		
Genotoxicity:	No information available		
<i>In-vivo</i> mutagenicity:	No information available		
Germ cell mutagenicity:	No information available		
Reproductive organs toxicity:	No information available		
Total evaluation of CMR properties:		No information available	
11.2. Practical experiences:			
Remarks relevant for classification:		No information available	
Other remarks:		No information available	
11.3. Note:			
-			

SECTION 12. ECOLOGICAL INFORMATION						
12.1. Toxicity						
Acute toxicity	Dose	Exposure period	Organism	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	13,000 mg/l (ethanol)	No information available	No information available	-

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

Page 11 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT					
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version:	1	

Crabs	EC ₅₀	48 hours	221 mg/l (ethanol)	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
Chronic toxicity	Dose	Exposure period	Organism	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crabs (Daphnia)	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

	Half-life	Method	Evaluation	Note
Salt water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-
Soil	No information available	No information available	No information available	-

Biodegradation

Degradation %	Period (days)	Method	Evaluation	Note
91	1	OECD (anaerobic conditions)	-	ethanol

12.3. Bioaccumulative potential

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

Page 12 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT				
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version:	1

Partition coefficient: n-octanol/water (log Pow):						
Value	Concentration	pH	°C	Method	Evaluation	Note
- 0.31	-	-	25	-	-	ethanol

Bio-Concentration Factor (BCF)				
Value	Organism	Method	Evaluation	Note
No information available	No information available	No information available	No information available	-

Chronic ecotoxicity						
Value	Dose	Exposure period	Organism	Method	Evaluation	Note
Chronic toxicity for fish	LC ₅₀	No information available	No information available	No information available	No information available	-
Chronic toxicity for crabs (Daphnia)	EC ₅₀	No information available	No information available	No information available	No information available	-

12.4. Mobility in soil						
Known or presumed distribution in environment:						
No information available						
Surface tension:						
Value	°C	Concentration	Method	Note		
No information available	No information available	No information available	No information available	-		

Adsorption / desorption					
Transport	A/D coefficient Henry's law	log Pow	Volatility	Method	Note
Soil-water	No information available	No information available	No information available	No information available	-

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

Page 13 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT				
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version:	1

Water-air	No information available	No information available	No information available	No information available	-
Soil-air	No information available	No information available	No information available	No information available	-

12.5. Results of PBT and vPvB assessment
No information available

12.6. Other adverse effects
No information available

SECTION 13. DISPOSABLE CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Disposing of the product/packaging:
Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.

13.1.2. Waste code
15 01 10: packaging that contains residual hazardous substances or is contaminated with hazardous substances

13.1.3. Waste processing method:
No information available

13.1.4. Possibility of spilling into the sewage system:
Waste must not be disposed of into the sewage system.

13.1.5. Other recommendations for disposal:
Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors 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.

SECTION 14. TRANSPORT INFORMATION

Land transport (ADR)	
UN number	UN 1993
Proper shipping name:	Flammable liquid, n.o.s. (ethanol)
Class:	3

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

Page 14 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT		
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012
		Version:	1

Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Land transport by rail (RID)	
UN number	UN 1993
Proper shipping name:	Flammable liquid, n.o.s. (ethanol)
Class:	3
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number	UN 1993
Proper shipping name:	Flammable liquid, n.o.s. (ethanol)
Class:	3
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Sea transport (IMDG)	
UN number	UN 1993
Proper shipping name:	Flammable liquid, n.o.s. (ethanol)
Class:	3
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Air transport (ICAO-TI/IATA-DGR)	
UN number	UN 1993
Proper shipping name:	Flammable liquid, n.o.s. (ethanol)
Class:	3
Packing group:	III
Environmentally hazardous:	-
Special precautions for user:	-
Further information:	-

SECTION 15. REGULATORY INFORMATION	
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
	EU regulations

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

Page 15 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT			
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version: 1

	Authorization and/or restrictions of use	
	Authorizations:	-
	Restrictions:	-
	Other EU regulations:	<p>EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council;</p> <p>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);</p> <p>EC Regulation No. 2037/2000 of the European Parliament and Council of 29 June 2000 on ozone-depleting substances;</p> <p>EC Regulation No. 689/2008 of the European Parliament and Council of 17 June 2008 concerning the export and import of dangerous chemicals;</p> <p>EC Regulation No. 850/2004 of the European Parliament and Council of 29 April 2004 on persistent organic pollutants;</p> <p>Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives</p>
	Information (Regulation 1999/13/EC) on restricting emissions of volatile organic compounds ("VOC"):	
	National regulation:	<p>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</p>
15.2.	Chemical Safety Assessment	
		None

SECTION 16. OTHER INFORMATION		
16.1.	Specifying changes:	-
16.2.	Abbreviations:	PBT Stable, bioaccumulative and toxic
		vPvB Strongly stable and strongly bioaccumulative.
		LD ₅₀ Lethal dose, 50%
		LC ₅₀ Lethal concentration, 50%
		STOT-SE Specific target organ toxicity – single exposure
16.3.	Main literature and sources of information:	-
16.4.	Classification and using blend classification procedures according to CLP	
	Classification according to CLP	Classification
	-	-
16.5.	Full text of R and H phrases referred to under sections 2 and 3	

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

Page 16 of 16

Trading name:	METHYLENE BLUE LOEFFLER REAGENT				
Product code:	MBL-OT-100; MBL-OT-110; MBL-OT-250; MBL-OT-500	Revision date:	6 March 2012	Version:	1

	R: 10	Flammable
	H: 226	Flammable liquid and vapor.
16.6.	Training advice:	-
16.7.	Further notice:	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.