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Trade name:	GIEMSA SOLUTION				
Product code:	GM-OT-X**	Date of compilation:	22 Dec 2022	Version:	8

1.1.	Product identifier			
	Trade name:	GIEMSA SOLU	JTION	
	Chemical name:	-		
	Catalogue number:	GM-OT-X**		
1.2.	Relevant identified uses of the	substance or mix	cture and uses advised against	
	Uses:	_	n hematology, cytology and staining sections of corgans in histopathology.	
	Uses advised against:	Only the identified uses are advised.		
	Reason why uses advised against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes.		
1.3.	Details of the supplier of the safety data sheet			
	Supplier:	BioGnost Ltd.		
	Address:	Medjugorska 59, Zagreb		
	Telephone number:	+385 1 24099	997	
	Telefax:	+385 1 2404039		
	e-mail of competent person:	msds@biognost.hr		
	National contact:			
1.4.	Emergency telephone numbers			
	National Protection and Rescue	Directorate:	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 Regulation (EC) No 1272/2008 (CLP)					
	Hazard class and category code:	Hazard statement*:				
	Flam. Liq. 2	H225				
	Acute Tox. 3	H301				
	Acute Tox. 3	H311				
	Acute Tox. 3	H331				
	STOT SE 1	H370				
2.1.2.	Additional information					
	-					
* For fu	For full text of Hazard- and EU Hazard-statements: see SECTION 16					
2.2.	Label elements					



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	PBT or a vPvB.		
	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is no		
	No known endocrine disrup		
2.3.	Endocrine Disrupting Prop	perties:	
2.3.	information (EU): Other hazards	-	
	Supplemetal hazard		
	Signal word: Hazard statements: Precautionary statements:	H225 Highly flammable liquid and vapor. H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled. H370 Causes damage to organs (eyes). P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves, protective clothing, eye protection, face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.	
	Hazard pictograms:	GHS02 GHS06 GHS08	
	Authorisation number:	-	
	Identification number:	-	
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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)			
67-56-1/ 200-659-6/ 603-001-00-X	01-2119433307- 44-xxxx	50 - 55 %	methanol	Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT SE 1, H370			

4.1.	Description of first aid m	neasures		
	General notes:	First aider needs to protect himself.		
	Following inhalation:	Carry the afflicted person out for fresh air, place them in half lying position and calm them down. If breathing stops, immediately apply artificial respiration, if necessary also oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration.		
	Following skin contact:	Remove contaminated clothing. Wash with plenty of water and soap 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 with water and expectorate. Make the afflicted person drink one glass (100 ml) of 40% ethanol (adult dose). Call a doctor immediately (mention methanol ingestion). Only in exceptional cases, if no medical care is available within one hour, induce vomiting (only in fully conscious persons) and make victim drink ethanol again (approx. 0.3 ml of a 40% alcoholic beverage/kg body weight/hour). Do not attempt to neutralise.		
	Self-protection of the first aider	Avoid direct contact with the chemical; use appropriate protective equipment described in Section 8.		
4.2.	Most important symptoms and effects, both acute and delayed			
	Following inhalation:	Irritation to the airways and possible damage to the lung probably only through very high vapor concentrations, then even absorptive-toxic effects.		
	Following skin contact:	Minor/no irritation, degreasing action, following massive contact watch for danger of skin absorption and possibly delayed onset of systemic effects.		
	Following eye contact:	Slight through to moderate irritation due to the liquid and concentrated vapors, conjunctivitis, later chemosis, apparently minor probability of cornea damage, later occurring visual disturbances are caused not primarily through local contact but are systemically related (following absorption).		
	Following ingestion:	Stomach and bowel irritation, feeling unwell, nausea, vomiting, strong abdominal pain. Absorption may cause toxic effects.		



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4.3.	Indication of any immediate medical attention and special treatment needed
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SECTI	SECTION 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	water spray, foam, dry powder, CO ₂			
	Unsuitable extinguishing media:	No information available			
5.2.	Special hazards arising from the substance or mixture				
	Hazardous by products of fire:	Combustible. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.			
5.3.	Advice for firefighters				
	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.				
5.4.	Additional information				
	Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.				

SECTIO	ION 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 m	ethods:	Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.s			
	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 precaut	ions:				
	Do not let product enter drains. Risk of explosion.					
6.3.	Methods and materials for containment and cleaning up					
6.3.1.	Bunding, covering of drains; capping procedures:	Cover drains. Collect, bind and pump off spills.				



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6.3.2.	For cleaning:	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. 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 tools that may cause sparks.				
6.4.	Reference to other se	ctions				
	See Section 7 for information on safe handling.					
	See Section 8 for information on personal protective equipment.					
	See Section 13 for dis	posal information.				

SECTIO	ON 7. Handling and storage				
7.1.	Precautions for safe handling				
7.1.1.	Protection measures				
	Measures for fire prevention:	Use in well ventilated storage rooms. Keep away from sources of heat and ignition and direct sunlight. Do not smoke. Take precautionary measures against static discharge.			
	Measures for preventing spray and dust formation	Secure proper ventilation. Prevent formation of aerosols.			
	Environmental precautions:	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. Thor	roughly wash hands after work and before eating.			
7.2.	Conditions for safe storage, including any incomp	atibilities			
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.			
	Packaging materials:	Manufacturer's original packaging.			
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.			
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.			



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	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. Exposu	re contr	ols/persona	l protec	tion				
8.1. Control par	ameters							
Substance		CAS N			Occupational exposure limit values/short term values		Biological limit values	
			ppm		mg/m³		-	
Methanol 67-56-1			5-1	200	260	(7.0 mg/	nol/mol of creatinine* 'g of creatinine*), shift urinary excretion	
* For all results perta consideration	ining cre	eatinine leve	ls, creatii	nine concentrati	on < 0.5 g/l and	d > 3.0 g/	I may not be taken into	
Substance: -								
EC No: -		CAS No:	_					
DNEL								
				Industrial				
Route of Acute exposure: effect local			Acute effect systemic		Chronic effect local		Chronic effect systemic	
Oral	-		-		-		-	
Inhalation	260 m (metha	•	260 mg (metha]],			260 mg/m³ (methanol)	
Dermal	-		40 mg/	'kg (methanol)			40 mg/kg (methanol)	
Critical physical para	meters: s	solubility, fla	mmabili	ty, corrosivity:		-		
				Consumer	·			
Noute of		Acute ect local	Acute effect systemic		Chronic effect local		Chronic effect systemic	
Oral	-		8 mg/k	g (methanol)	-		8 mg/kg (methanol)	
Inhalation 50 mg/m (methano			50 mg/m³ (methanol)		50 mg/m ³ (methanol)		50 mg/m³ (methanol)	
Dermal -			8 mg/k	g (methanol)			8 mg/kg (methanol)	
PNEC								



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Environmental protection target			PNEC		
Fresh wat	er		154 mg/l (methanol)		
Freshwate	er sediments		570.4 mg/kg (methanol)		
Marine w	ater		15.4 mg/l (methanol)		
Marine sediments			No information available		
Food chain			No information available		
Microorganisms in sewage treatment			100 mg/l (methanol)		
Soil (agric	cultural)	23.5 mg/kg (methanol)			
Air			No information available		
8.2.	Exposure controls				
8.2.1.	Appropriate engineering measures				
	Substance/mixture related measures to prevent exposure during identified uses:	prot	the product in well ventilated rooms. Use personal ective equipment. Do not eat, drink or smoke in the cspace.		
	Structural measures to prevent exposure:	No i	nformation available		
	Organisational measures to prevent exposure:	event Organization of work in order to reduce other work influence during work process.			
	Technical measures to prevent exposure:		re proper workspace ventilation in order to keep centration levels in air below permitted levels.		
8.2.2.	Personal protection equipment	·			
8.2.2.1.	Eye and face protection:	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate governmen standards such as EN 166(EU).			
8.2.2.2.	Skin protection:				
	Hand protection:	spec EN3 Full	protective gloves to be used must comply with the cification of EC Directive 2016/425 and the related standard 74. contact: Glove material: butyl rubber Glove thickness: 0.70 mm Break through time: > 480 min sh contact: Gloves material: viton (R) Glove thickness: 0.70 mm Break through time: > 120 min		



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	Technical measures to prevent exposure:	See Section 6
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.
	Structural measures to prevent exposure:	Use modern equipment. Do not let product enter drains. Risk of explosion.
	Substance/mixture related measures to prevent exposure:	See Section 6
8.2.3.	Environmental exposure controls	
8.2.2.4.	Thermal hazards:	No information available
8.2.2.3.	Respiratory protection:	Required when vapours/aerosols are generated. Recommended filter type: gas filter AX, colour code brown (EN 371). The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.
	Other skin protection:	Complete antistatic suit protecting against chemicals (EN 13688). The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace and shoes that cover the entire foot.

9.1.	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	blue-purple	No information available
	Odour/odour threshold:	methanol like/no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	65 °C (at 1.013 hPa)	No information available
	Flammability:	No information available	No information available
	Lover and upper explosion limit:	lower: 6 % (V) methanol upper: 36.5 % (V) methanol	No information available
	Flash point:	24 °C	No information available
	Auto-ignition temperature:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	pH:	6.8 – 7.2 (20 °C)	No information available
	Kinematic viscosity:	No information available	No information available



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	Solubility:	No information available	No information available			
	Partition coefficient n-octanol/water (log value):	No information available	No information available			
	Vapour pressure:	128 hPa (20 °C)	No information available			
	Density and/or relative density	No information available	No information available			
	Relative vapour density:	No information available	No information available			
	Particle characteristics:	No information available	No information available			
9.2.	Other information					
	-					

SECTIO	ON 10.: Stability and reactivity	
10.1.	Reactivity:	Vapours may form explosive mixture with air.
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).
10.3.	Possibility of hazardous reactions:	Risk of explosion with: Oxidizing agents, alkali metals, nitric acid, sulphuric acid, hydrogen peroxide, permanganic acid, sodium hypochlorite. The substance can react dangerously with: halogens, oxidizing agents, reducing agents, acids, acetyl bromide, alkylaluminium solutions, beryllium hydride, chloroform, chromium(VI)-oxide, cyanuric chloride, alkaline-earth metals, magnesium splinters, phosphorus trioxide, Raneynickel/hydrogenation, acid anhydrides, acid halogenides, tetrachloromethane/light metals.
10.4.	Conditions to avoid:	Sources of heat, sparks, and ignition.
10.5.	Incompatible materials:	Various plastics, magnesium, zinc alloys, aluminium and galvanised iron.
10.6.	Hazardous decomposition products:	No information available.

SECTION 11. Toxicological information									
11.1. Informa	Information on hazard classes as defined in Regulation (EC) No 1272/2008								
Acute toxicity:									
Route of exposure:	Method	Species	Species Effective Dose LD ₅₀ /LC ₅₀ or tir		Results				
Oral:	No information available	rat	LD ₅₀	-	125.13 mg/kg (methanol)				
Dermal:	No information available	rabbit	LD ₅₀	-	375.13 mg/kg (methanol)				



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Inhalation:	No information available	rat	LC ₅₀	4 h	3.88 mg/l (methanol)			
Specific	target organ toxicity -	single exposure	(STOT-SE):					
i •	Specific	effects	Tai	rget organ	Note			
Oral:	No information avail	lable	No informa	ation available	-			
Dermal:	No information avail	able	No informa	ation available	-			
Inhalation:	No information avail	able	Eyes		mixture causes damage to organs			
Aspiratio	on hazard:	No info	ormation availab	ole				
Irritation	and corrosion							
	Exposure tim	ne Species	s Evaluatio	on Method	Note			
Skin corrosion/irritatio	on -	-	-	-	drying-out effect resulting in rough and chapped skin			
Serious eye damage/irritation	-	-	-	-	irritations of mucous membranes			
Sensitiza	ation							
Skin sensitization	1	sensitization.						
Respiratory sensitization:	No information							
Sympton	ms related to the physi	ical. chemical and	toxicological c	haracteristics:				
Oral exposure:	. ,	irritation, acidosis	s, drop in blood	d pressure, feeling	g unwell, vomiting, strong kidney, cardiac.			
Dermal exposure:	•	itation, defatting;	prolonged exp		absorption and greater			
Inhalation exposure:	Airways irritation and possible lung damage due to high levels of vapor concentration, dizziness, drowsiness, headache. Absorption may cause toxic effects.							
Eye exposure:		dness, irreversible	•		s, lesser possibility of /isual impairments may			
Donasta	d doco tovicity (sub-s-	uto cubebrania -	hronis)		_			
кереате	d dose toxicity (subact		Species	Method	Evaluation No			



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

C 'C' '		epeated exposure	(CTOT DE)
Snacitic target or	an tovicity - re	anastad avnaciira	(
Specific faract of	uali luxicity - ir	enegred evnoyale	13101-1161.

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



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	CMD effects (see in a secial to see in the second of the s							
	CMR effects (carcinogenicity, mutagenicity, re	productive toxicity)						
	Carcinogenicity:	No information available						
	Mutagenicity in-vitro:	No information available						
	Genotoxicity:	No information available						
	Mutagenicity in-vivo:	No information available						
	Germ cell mutagenicity:	No information available						
	Reproductive toxicity:	No information available						
	Summary of evaluation of the CMR properties:	No information available						
11.2.	Information on other hazards:							
11.2.1.	Endocrine disrupting properties:							
	No known endocrine disrupting properties that affect human health.							
11.2.2.	Other informations:							
	-							

SECTION	12. Ecolo	gical information

12.1. Toxicity Acute (short-term) Exposure Dose **Species** Method Evaluation Note toxicity time Lepomis No No 15.400 mg/l macrochirus Fish LC_{50} 96 hours information informatio (methanol) (Bluegill sunfish) n available available No No >18.260 mg/l Crustacea: EC_{50} 48 hours Daphnia magna information informatio (methanol) available n available Pseudokirchneriella No No Algae/aquatic 22.000 mg/l informatio information IC_{50} 8 days subcapitata (green (methanol) plants: algae) available n available Other organisms Chronic (long-term) Exposure Dose **Species** Method Evaluation Note time toxicity No No No information Fish LC_{50} 96 hours information informatio available available n available



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Crustacea:		EC ₅₀	48 hou	rc	o information ailable	No inforr availa	mation	No informatio n available		
Algae/aquatic plants:		IC ₅₀	72 hou	rc	o information ailable	No inforr availa	mation	No informatio n available	-	
Other organisr	ms	-	_	-		-		_	-	
		e and degrada	bility							
Abiot	1	gradation	16.11				**************************************	- I .:		
N4 : .		Degradation h			Method		N1 . C	Evaluatio 		Note
Marine water		information a			information ava			ormation av		-
Fresh water		information a			information ava			ormation av		-
Air Soil	•	information a								
3011	INO	iiiiOiiiiatiOii a	valiable	INC) illioittiation ava	парте	INO IIII	Offilation av	/allable	-
Biode	grad	ation								
% Degradation		Time (da	ays)		Method	E	valuation	l	No	te
-		-		-		No information available		1		
12.3. Bioac	cumı	ulative potenti	al							
Octar	nol-w	ater partition	coefficie	ent (log	Kow)					
Value	Cor	ncentration	рН	°C	Method		Evaluat	ion	N	ote
_	No availa	information able	-	-	-		o informa railable	tion -		
Bioco	ncen	tration Factor	(BCF)							
Value		Spec	ies		Method		Evaluation	1	No	ote
No information available	n	No informati available	on		information ailable	No in availa	formation ble		No information available	



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	Chr	onic ecotoxicity	У								
	Va	lue	Dose	Exposure time		Species	Me	thod	Eval	uation	Note
Chroni	c toxio	city on fish	LC ₅₀	No information available		lo Iformation vailable	No inform availat		No infor		-
Chronic toxicity on crustacea (Daphnia)		EC ₅₀	No information available	1	lo Iformation vailable	intormation		No infor		-	
12.4.	Mol	oility in soil									
	Kno	wn or predicte	d distribut	ion in enviro	nmen	tal compartn	nents:				
	No	information av	ailable								
	Surf	ace tension:									
		Value		°C		Concentrati	on		Method		
	No information No i available available		nformation No information available		vailable	No information available		-			
	A -1-										
	Ads	orption / deso									
Гransр	ort	A/D coef Henry's co		log Ko		Evaporatio		Me	thod	No	te
Soil-W	ater	No in available	formation	No inform available	ation	No informa available	ation	No info availabl	rmation e	-	
Water-	Vater-Air No information available		No information available				No information available		-		
Soil-Ai	Soil-Air No information available				No informa available	No information available		-			
12.5.		ults of PBT and									
		stance(s) in the		<u> </u>	eet the	e criteria for	PBT or vi	PvB			
2.6.	Endocrine disrupting properties										



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12.7.	Other adverse effects
	No adverse effects are expected.
	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Waste material must be disposed of according to the national and local rules and regulations. Do not mix with other sorts of waste. Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste codes/waste designations according to Low:
	15 01 10*: packaging that contains residual hazardous substances or is contaminated with hazardous substances
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	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. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	Disposal must be made according to official regulations.
SECTIO	N 14. Transport information
	Transporting/chipment by road (ADR)

Transporting/shipment by	road (ADR)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmental hazards:	-
Special precautions for user:	-



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Transporting/shipment by rail (RI	D)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by inland	waterways (ADN)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmental hazards:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	
Transporting/shipment by air (ICA	AO-TI/IATA-DGR)
UN number:	1992
UN proper shipping name:	Flammable liquid, toxic, n.o.s. (methanol solution)
Transport hazard class(es):	3 (6.1)
Packing group:	III
Environmental hazards:	-
Special precautions for user:	-
Further information: -	

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



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Trade name:		GIEMSA SOLUTION					
Product code:	GM-OT-X**	Date of compilation:	22 Dec 2022	Version:	8		

	Authorisations and/or res	trictions on use
	Authorisations:	-
	Restrictions:	-
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council 18 December 2006 concerning the Registration, Evaluation, Authorisation a Restriction of Chemicals (REACH), establishing a European Chemicals Agen amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/ and Commission Regulation (EC) No 1488/94 as well as Council Direct 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC a 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 Ag 2004 on the limitation of emissions of volatile organic compounds due to the use organic solvents in certain paints and varnishes and vehicle refinishing products a amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safe 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 December 2008 on classification, labelling and packaging of substances a mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, a amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certadangerous substances, mixtures and articles (Annex XVII);
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
2.	Chemical safety assessme	ent
	None	

SECTION 16. Other information		
16.1.	Indication of changes:	-



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Trade name:	GIEMSA SOLUTION					
Product code:	GM-OT-X**	Date of compilation:	22 Dec 2022	Version:	8	

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:	-
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)	
Classification		Classification procedure
-		-
16.5.	Relevant H statements (number and full text)	
	225	Highly flammable liquid and vapor.
	H: 301+311+331	Toxic if swallowed, in contact with skin or if inhaled.
	370	Causes damage to organs (eyes).
16.6.	Training advice:	-
16.7.	Further information:	** "X" in the product code marks different volumes (different packaging of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

ANNEX: Exposure scenario resulting to Chemical safety assessment
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