

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

amended by Regulation (EU) No. 2020/878

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Trade name:	LUXOL FAST BLUE, SOLUTION					
Product code:	LFB-OT-X**	Date of compilation:	14 Nov 2022	Version:	5	

SECT	ION 1: Identification	n of the substa	ance/mixt	ture and of	f the company/undertaking	
1.1.	Product identifier					
	Trade name:	LUXOL FAST	BLUE, SOI	LUTION		
	Chemical name:	-				
	Catalogue number:	LFB-OT-X**				
1.2.	Relevant identified	uses of the sub	ostance or	r mixture ar	nd uses advised against	
	Uses:		For use w	ith Luxol Fast Blue kit.		
	Uses advised agair	ist:		Only the i	dentified uses are advised.	
	Reason why uses a	medical device, registered at the Agency			uct is intended for use only as an <i>in vitro</i> diagnostic evice, registered at the Agency for Medicinal and Medical Devices and there is no reason to use purposes.	
1.3.	Details of the supp	lier of the safet	y data she	eet		
	Supplier:		BioGr	BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb			
	Telephone number	r:	+385 1 2409997			
	Telefax:		+385 1 2404039			
	E-mail of compete	nt person:	<u>msds</u>	nsds@biognost.hr		
	National contact:		-			
1.4.	Emergency telephone numbers					
	National Protection	n and Rescue D	irectorate	:	112	
	Medical information	n:			+385 1 2348 342	
	Other information:				-	

SECTION	SECTION 2. Hazards identification						
2.1.	Classification of the substar	Classification of the substance or mixture					
2.1.1.	Classification according to	Regulation (EC) No	o. 1272/2008 (CLP)				
	Hazard class and cate	Hazard class and category code: Hazard statement*:					
	Flam. Liq. 2	Flam. Liq. 2 H225					
2.1.2.	Additional information	Additional information					
	-						
*For fu	ull text of Hazard- and EU Haza	ard-statements: se	e Section 16.				
2.2.	Label elements						
	Product identification:	LUXOL FAST	BLUE, SOLUTION				
	Identification number:	-					



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	Authorisation number:			
	Hazard pictograms:	GHS02		
	Signal word:	Danger		
	Warning statement:	H225 Highly flammable liquid and vapor.		
	Precautionary statement:	 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. 		
	Supplemental hazard information (EU):	-		
2.3.	Other hazards			
	Endocrine Disrupting Properties: No known endocrine disrupting properties Results of PBT and vPvB assessment: According to the results of its assessment, this substance is PBT or a vPvB.			

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	80 - 100 %	ethanol	Flam. Liq. 2; H225				
64-19-7/ 200-580-7/ 607-002-00-6	-	0.2 – 0.5 %	acetic acid, glacial 99%	Flam. Liq. 3; H226 Skin Corr. 1A; H314				

SECT	ECTION 4. First aid measures		
4.1.	Description of first aid measur	res	
	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.	



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	Following skin contact:	Remove all contaminated clothes/footwear. Thoroughly wash with water for at least 15 minutes.		
	Following eye contact:	Rinse the eyes using mild jet of clean water for at least 20 minutes with the eyelids held wide open.		
	Following swallowing:	Rinse the mouth thoroughly with 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.		
	Self-protection of the first aider	-		
4.2.	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 swallowing:	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 med	lical attention and special treatment needed		
	No information available			

SECT	ION 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 with full jet				
5.2.	Special hazards arising from th	e 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.	Additional information					
	Cool endangered receptacles v	with water spray. Collect contaminated fire fighting water separately. Do not with extinguishing media.				

SECTIO	SECTION 6. Accidental release measures		
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		



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	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. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Self-contained open-circuit con heat dissipation (fireproof cloth	mpressed air breathing apparatus, a set for protecting the body from ning).		
6.2.	Environmental precautions:	Environmental precautions:		
	· ·	orevent further spillage of chemicals. Prevent environmental pollution by enter the sewage system, surface water or groundwater.		
6.3.	Methods and materials for cont	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:	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). Do not use incompatible materials (see Section 10).		
6.4.	Reference to other sections			

SECTIO	SECTION 7. Handling and storage				
7.1.	Precautions for safe handling	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. Do not smoke.			
	Measures to prevent aerosol and dust generation:	Secure proper 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 inco	ompatibilities			



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	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Protect from heat and direct sunlight.
	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.
	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 para	meters					
Substance	CAS N		Occupational exposure limit values/short term values		•	Biological limit values
			pp	m	mg/m³	
Ethanol	64-17-	5	100	0/-	1900/-	No information available
Substance: -						
EC No:	-		CAS N	No:	-	
DNEL						
		1	ndustri	al		
Route of exposure:	Acute	Acute	e Chronic		Chronic	Chronic
Route of exposure.	effect local	effect syst	emic	e	ffect local	effect systemic
Oral	-	-		-		-
Inhalation	1900 mg/m ³ (ethanol)	-		-		380 mg/m³ (ethanol)
Dermal	-	-	-			343 mg/kg (ethanol)
Critical physical parameters: solubility, flammability, corrosivity:						
Consumer						
Route of exposure:	Acute	Acute			Chronic	Chronic
Route of exposure:	effect local	effect syst	emic	е	ffect local	effect systemic
Oral	-	-		-		87 mg/kg bw/day (ethanol)



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Inhalatio	on	950 mg/m ³ (ethanol)	-		-		114 mg/m ³	³ (ethanol)	
Dermal				-		206 mg/kg	(ethanol)		
PNEC		1							
Environr	nental prot	ection target		PNEC					
Fresh wa	iter			0.96 mg/l (ethanol)				
Freshwa	ter sedime	nts		3.6 mg/kg	(ethanol)				
Marine v	vater			0.79 mg/l (ethanol)				
Marine s	ediments			2.9 mg/kg	(ethanol)				
Food ch	ain			380-720 m	g/kg (ethanol)				
Microor	ganisms in	sewage treatment		580 mg/l (e	ethanol)				
Soil (agr	icultural)			0.63 mg/kg	g (ethanol)				
Air	Air			no informa	tion available				
	1								
8.2.	Exposure	controls							
8.2.1.		iate engineering cor	ntrols						
	measure	ce/mixture related s to prevent exposu dentified uses:	re	Do not eat, drink or smoke in the workspace. Use personal protective equipment.					
	Structura exposure	al measures to preve e:	ent	No information available					
		ational measures to exposure:		Organization of work in order to reduce other worker's influence during work process.				nce	
	Technica exposure	I measures to preve e:	nt	See Section 7.2					
8.2.2.	Personal	protection equipme	ent						
8.2.2.1.	Safety glasses that stick to face (EN 166) or visor in case of log 1. Eye and face protection: of concentration in air; protective gas mask that covers the e in case of higher levels of concentration in air.								
8.2.2.2.	Skin pro	tection							
				standard EN		J	e EU Directiv	/e 2016/425/	EEC.
	Hand pro	otection:			iterial: nitrile rubb ckness: ≥0.50 mn				
					ough time: >480				



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	Other skin protection:	footwear, such as ru entire foot. In case of impermeable mater	ork use cotton clothing (EN 340) and suitable alber boots (EN 20345) or shoes that cover the of spilling hazard, use clothing made of ial suitable for protection from liquid chemicals and footwear made from the same material.
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.	
8.2.2.4.	Thermal hazards:	No information avai	lable
8.2.3.	Environmental exposure contr	rols	
	Substance/mixture related me exposure:	easures to prevent	See Section 6
	Structural measures to prevent exposure:		Use modern equipment.
	Organisational measures to p	revent exposure:	Adapt the work process to the required working conditions of the workplace.
	Technical measures to preven	t exposure:	See Section 6

9.1.	Information on basic physical an	d 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
	Boiling point or initial boiling point and boiling range:	no information available	no information available
	Flammability:	no information available	no information available
	Lower and upper explosion limit:	no information available	no information available
	Flash point:	15 °C	no information available
	Auto-ignition temperature:	no information available	no information available
	Decomposition temperature:	no information available	no information available
	pH:	no information available	no information available
	Kinematic viscosity:	no information available	no information available
	Solubility:	no information available	no information available
	Partition coefficient n-octanol/water (log value):	no information available	no information available



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	Vapour pressure:	No information available	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	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.	
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:	Avoid heat, sparks, open flames and other ignition sources.	
10.5.	Incompatible materials:	Oxidants, acids, alkali metals.	
10.6.	Hazardous decomposition products:	Non-degradable if used in the described manner.	

11.1. Inforn	nation on hazard	classes as defined	in Regulation (EC) No 1272/2008			
Acute	toxicity:						
Route of exposure:	Method Species		Effective Dose LD ₅₀ /LC ₅₀ o ATE _{mixture}	Exposure or time	Results		
Oral:	-	rat	LD ₅₀	-		ng/kg (ethanol)	
Dermal:	-	rabbit LD ₅₀ -		>20.000 mg/kg (ethanol			
Inhalation:	-	rat	LC ₅₀	4 h (ethanol)	>8.000 mg/l (ethanol)		
Specific targ	et organ toxicity -	single exposure	(STOT-SE):	Target orgar	١	Note	
Oral:	No informat	ion available		No information available		-	
Dermal:	Dermal: No information available			No information ava	ilable	-	
nhalation: No information available		No information a		ilable	e -		



No

information

available

Subchronic

oral

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Product code:		LFB-OT-X**		Da	te of con	npilati	on:	14 No	v 2022	Ver	sion:	5
Irritation ar	nd co	rrosion										
3		Exposure	time	Speci	es		Evaluation	1	Me	thod	١	Vote
Skin corrosion/irritat	tion	No informatic available	on No	o info ailable	ormation	No ir availa	nformation No information available			-		
Serious eye damage/irritation		No informatic available	on No av	o info ailable	ormation	No ir availa	nformation able		No inform availab		-	
Sensitization												
Skin sensitization		No inform	ation avai	lable								
Respiratory	/11 .	No inform										
sensitization:												
Symptoms re	elatec	I to the physi	cal, chemi	cal and to	oxicologica	al char	acteristics					
Oral exposure:		Swallowing sensation; h In case of vo concentration	igher leve omiting, as	ls of conc spiration o	entration causes cou	may c	ause nause	a, abdo	minal pai	n and	vomiti	ing.
Dermal exposur	re:	Slight irritat may cause o				•		e not lik	cely. Long	-term	ı expos	ure
Inhalation exposure:			_	rge amounts of vapors in inadequately ventilated perimeter may cause zing, headache and nausea.								
Eye exposure:		Direct eye c sensation.	ontact ma	y cause sl	light to m	oderat	e irritation,	lacrima	ation and	burni	ng	
Donosto d do	4-	; .; .			:-)							
Repeated do	se to		Exposur		Specie	26	Method		Evaluation		Note	
Subacute oral				ormation	No information	tion	No information available	n i	No nformation		-	
Subacute dermal		ormation	No info available	ormation	No informa			n i	No nformatio available	on	-	
Subacute inhalation		ormation	No info available	ormation	No informa available	tion	No information available	n i	No nformatio available	on	-	
								· · · · · · · · · · · · · · · · · · ·				

No

information

available

No

information

available

information

No

available

No

information

available



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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	-
1						
Specific targ	et organ toxicity	repeated exposure			1	
		Specific effe		Target or		Note
Subacute oral		No information avail	able	No information a	vailable -	
Subacute derm		No information avail		No information a	vailable -	
Subacute inhal	ation	No information avail	able	No information a	vailable - vailable -	
Subacute inhal Subchronic ora	ation I	No information avail	able able	No information a No information a No information a	vailable - vailable - vailable -	
Subacute inhal Subchronic ora Subchronic der	ation al rmal	No information avail No information avail No information avail	able able able	No information a No information a No information a No information a	vailable - vailable - vailable - vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh	ation al rmal	No information avail No information avail No information avail No information avail	able able able able	No information a No information a No information a No information a No information a	vailable - vailable - vailable - vailable - vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral	ation al rmal alation	No information avail No information avail No information avail No information avail	able able able able able	No information a No information a No information a No information a No information a	vailable - vailable - vailable - vailable - vailable - vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral Chronic derma	ation al rmal alation	No information avail	able able able able able able	No information at No informati	vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral	ation al rmal alation	No information avail No information avail No information avail No information avail	able able able able able able	No information a No information a No information a No information a No information a	vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral Chronic derma Chronic inhalat	ation I tion	No information avail	able able able able able able able	No information a No information a No information a No information a No information a No information a No information a	vailable -	
Subacute inhal Subchronic ora Subchronic inh Chronic oral Chronic derma Chronic inhalat	ation I tion (carcinogenicity	No information avail	able able able able able able able active toxicit	No information at No informati	vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral Chronic derma Chronic inhalat CMR effects Carcinogeni	ation I tion (carcinogenicity city:	No information avail	able able able able able able able uctive toxicit	No information at No informati	vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral Chronic derma Chronic inhalat CMR effects Carcinogeni Mutagenicit	ation I tion (carcinogenicity city: y in-vitro:	No information avail	able able able able able able able able	No information as No informati	vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral Chronic derma Chronic inhalat CMR effects Carcinogeni Mutagenicit Genotoxicity	ation I tion (carcinogenicity city: y in-vitro:	No information avail	able able able able able able able able	No information at No informati	vailable -	
Subacute inhal Subchronic ora Subchronic der Subchronic inh Chronic oral Chronic derma Chronic inhalat CMR effects Carcinogeni Mutagenicit	ation Irmal Icalation (carcinogenicity city: y in-vitro: y in-vivo:	No information avail	able able able able able able able able	No information as No informati	vailable -	



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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 information:
	-

SECTION 12.	cological i	nformation				
12.1. Toxic	ity					
Acute (short- term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Fish	No information available	8.140 mg/l (ethanol)	–
Crustacea:	EC ₅₀	48 hours	Daphnia magna	No information available	7.800 mg/l (ethanol)	-
Algae/aquati c plants:	IC ₅₀	72 hours	algae	No information available	5.000 mg/l (ethanol)	-
Other organisms	-	-	_	_	-	-
Chronic (long-term) toxicity	Doza	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	_
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquati c plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12	2.2.	Persistence and degradability Abiotic degradation								
		Degradation half-lives	Method	Evaluation	Note					
	larine ater	No information available	No information available	No information available	-					



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Product cod	de:	LFB-OT-X	**		Da	te of compilati	on:	14	Nov 2022	V	ersion:	
Fresh water	No ii	nformation a	vailable		lo info vailab	ormation ble		o information -				
Air	No ii	nformation a	vailable					informati ilable	on -			
Soil	No information available				lo info vailab	ormation ble		informati ilable	on -			**********
Biodegrac	lation											
% Degradat		Time (d	ays)		N	/lethod		Evaluatio	n		Note	
<u> </u>	_	`	<u>, , </u>	_			-		_			
				1			<u> </u>					
12.3.	Bioacc	umulative po	otential									
	Octan	ol-water part	ition coe	efficient	(log k	(ow)						
Value	C	oncentration	pH °C			Method		Eval	uation		Note	
-	-		-	-		-		-		-		
	ncentra	ntion Factor (9 9 9 9 9 9		Method		- Fyra	luation		Note	
Value		Spec	ies			Method		Eva	luation		Note	
No information available	٨	lo informatio	formation available			No information available			mation e	-		
												_
Chronic e	cotoxi	city										
		Dose	Ехро	osure ti	me	Species	M	lethod	Evaluati	on	Not	e
Value	Chronic toxicity ICsa No informat		formation		No No information inf		rmation	No n information		-		
	city	LC ₅₀	availal	ble		available	ava	ilable	available			

Known or predicted distribution in environmental compartments:

No information available



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	Value		°C	Со	ncentration	Me	thod		Note
	No information available	No information available		No information available		No information available		-	
Adso	rption / desorption				1				
Transpo	rt A/D coeff Henry's co		log Kov	V	Evaporatio	n rate	N	1ethod	Note
Soil-Water No in available		formation	No informa available	ation	No informat available	ion	No int	formation ble	-
Water-A	Water-Air No in available		No informa available	ation	No informat available	ion	No int	formation ble	-
Soil-Air	Soil-Air No in available		No informa available	ation	No informat available	ion	No inf	formation ble	-
12.5.	Results of PBT and Based on available	e data, the p	oroduct does	not o	contain any Pl	BT or vF	PvB subs	tances.	
12.6.	Endocrine disrupti Based on available			endo	ocrine disrupto	ors.			
12.7.	Other adverse effe	ects							
	No adverse effects	are expec	ted.						
SECTIO	N 13. Disposal con	sideration	s						
13.1.	Waste treatment r	nethods							
13.1.1.	Product/Packagir	ng disposal	•						
	Submit for dispose Protection.	sal to the le	egal person a	uthor	rized by the M	linistry	of Enviro	onmental an	d Nature
12 1 2	Waste codes/was	te designa	tions accordi	ng to	Low:				
13.1.2.		9							



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13.1.3. Waste treatment – releva	nt information:				
No information available					
13.1.4. Sewage disposal – releva	Sewage disposal – relevant information:				
Waste must not be dispo	Waste must not be disposed of into the sewage system.				
13.1.5. Other disposal recomme	ndations:				
authorized by the ministr	oduct's remains into the sewage system. Submit the remains to the collectors y in charge. Do not dispose of the packaging into the sewage system. Submit ectors authorized by the ministry in charge.				
13.1.6. Relevant Community pro	visions:				
Disposal must be made a	ccording to official regulations.				
SECTION 14. Transport information	on				
Transporting/shipment by road	I (ADR)				
UN number	1170				
UN proper shipping name:	Ethanol solution				
Transport hazard class(es):	3				
Packing group:	II				
Environmental hazards:	No information available				
Special precautions for user:	-				
Transporting/shipment by rail	RID)				
UN number:	1170				
UN proper shipping name:	Ethanol solution				
Transport hazard class(es):	3				
Packing group:	II				
Environmental hazards:	No information available				
Special precautions for user:	-				
Transporting/shipment by inlar	nd waterways (ADN)				
UN number:	1170				
UN proper shipping name:	Ethanol solution				
Transport hazard class(es):	3				
Packing group:	II.				
Environmental hazards:	No information available				
Special precautions for user:	-				
Transporting/shipment by sea	(IMDG)				



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UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air (ICAO-	TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No information available
Special precautions for user:	-
Further - information:	

SECTIO	ON 15. Regulatory information	1		
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture			
	EU regulations			
	Authorisation and/or restrictions on use			
	Authorisations:	-		
	Restrictions:	-		



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		Regulation (EC) No 1907/2006 of the European Parliament and of the Council of	
	Other EU regulations:	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; REACH Restrictions on the manufacturing, placing on the market and use of certain	
		dangerous substances, mixtures and articles (Annex XVII);	
	Information according guideline)	1999/13/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	
15.2.	Chemical safety assess	sment	
	None		

SECTIO	ON 16. Other information	
16.1.	Indication of changes:	-
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



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

amended by Regulation (EU) No. 2020/878

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16.3.	Key l data:	iterature reference	s and source of _		
16.4.		Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classific	cation		Classification procedure		
_			-		
16.5.	Rele	vant H statements	(number and full text)		
	225 H: 226		Highly flammable liquid and vapour.		
			Flammable liquid and vapour.		
		314	Causes severe skin burns and eye damage.		
16.6.	Trair	ning advice:	-		
			** "X" in the product code marks different volumes (different packaging of the product)		
16.7.	5.7. 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 assessment	
Autitum. Exposure coording to originate carety accomment	
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