

SAFETY DATA SHEET ling to Regulation (EC) No. 1907/2

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

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Trading name:	DEHEMATIN				
Product code:	KO-OT-X**	Revision date:	05 Dec 2022	Version:	4

1.1	Product identifier			e and of the company/undertaking	
	Trading name:	DEHEMATIN	DEHEMATIN		
	Chemical name:	-			
	Catalogue number:	KO-OT-X**			
1.2	Relevant identified us	es of the subst	ance or n	nixture and uses advised against	
	Uses:		Modified hematei	d Kardasewitsch solution for depigmentation of acid n.	
	Uses advised against:		Only the	e identified uses are advised.	
Reason why uses advis		sed against:	device, ı	duct is intended for use only as an <i>in vitro</i> diagnostic medical registered at the Agency for Medicinal Products and Medical and there is no reason to use it for other purposes.	
1.3	Details of the supplier	of the safety of	data shee	t	
	Supplier:		BioGnost Ltd.		
	Address:		Medjug	orska 59, Zagreb	
	Telephone number:		+385 1 2409997		
	Telefax.:		+385 1 2404039		
	e-mail of competent person:		msds@biognost.hr		
	National contact:	-			
1.4	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ctorate:	112	
	Medical information:			+385 1 2348 342	
	Other information:			-	

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance	or mixture			
2.1.1	Classification according to Reg	ulation (EC) No 1	272/2008 (CLP)		
	Hazard class and catego	ory code:		Hazard statements*:	
	Flam. Liq. 2		H225		
	Skin Irr.2		H315		
	Eye Irr. 2		H319		
2.1.2.	Additional information				
	-				
*For fu	r full text of Hazard- and EU Hazard-statements: see SECTION 16				
2.2	Label elements				
	Product identification:	DEHEMATIN			



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	Identification number:	-	
	Authorization number:	-	
	Hazard pictograms:	GHS02 GHS07	
	Signal word:	Danger	
	Hazard statements:	H225 Highly flammable liquid and vapor.H315 Causes skin irritation.H319 Causes serious eye irritation.	
	Precautionary statements:	 P210 Keep away from heat, hot sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 	
	Supplemetal hazard information (EU):	-	
2.3	Other hazards		
	The product has no other kno	own specific hazards for human or environment.	
	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.		
	Endocrine disrupting propert	y: Based on available data, does not contain endocrine disruptors.	

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	~ 70%	ethanol	Flam. Liq. 2; H225	
1336-21-6/ 215-647-6/ 007-001-01-2	-	4- 5%	ammonia, 25 %	Skin Corr. 1B; H314 Aquatic Acute 1; H400	

SECTION 4. First aid measures



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4.1	Description of first aid measures			
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.		
	Following inhalation:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.		
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.		
	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.		
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting. Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.		
	Self-protection of the first aider:	-		
4.2	Most important symptoms and ef	fects, both acute and delayed		
	Following inhalation:	Inhalation of larger quantities may affect the central nervous system.		
	Following skin contact:	Prolonged or repeated dermal contact may cause the defatting and dryness of the skin.		
	Following eye contact:	May irritate the eyes.		
	Following ingestion:	Ingestion of larger quantities may affect the central nervous system.		
4.3	Indication of any immediate medi	cal attention and special treatment needed		
	If larger quantities have entered the body, obtain medical treatment (gastric lavage, activated carbon).			

SECTION	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media:	Extinguishing powder, alcohol-resistant foam, water, carbon-dioxide.			
	Unsuitable extinguishing media: Water with full jet.				
5.2	Special hazards arising from the substance or mixture				



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

SECTIO	CTION 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 members without protective equipment.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Avoid contact with skin, eyes and clothing and inhaling gases, vapours and aerosols. Ensure adequate ventilation. Vapours may accumulate at floor level in low and confined spaces. Remove all heat, ignition and spark sources, turn off machines. Ignition spark arrestor must not be operated in the danger area. Use spark-proof tools. Be aware of the risk of slipping.				
6.2	Environmental precautions:				
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.				
6.3	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.			



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6.3.2.	Cleaning up:	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. During the collection, placement, disposal of the waste, wear appropriate individual protective equipment. Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).	
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).	
6.4	Reference to other sections		
	See Section 7 for information on safe handling.		
	See Section 8 for information on personal protection equipment.		
	See Section 13 for disposal in	formation.	

7.1	Precautions for safe handling			
7.1.1.	Protection measures			
	Measures to prevent fire:	Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generation	n: Ensure adequate ventilation.		
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.		
	Other measures:	Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:			
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.			
Measures to prevent aerosol and dust generation: Measures to protect the environment: Other measures: 7.1.2. Advice on general occupational hygiene: Do not eat, drink or smoke in the workspace. Thoroughly was 7.2 Conditions for safe storage, including any incompatibilities Store in a waway from unopened from oxid consumpti Packaging materials: Manufactu Requirements for storage rooms and vessels: Keep away tightly closs	patibilities			
	Technical measures and storage conditions:	Store in a well-ventilated place, protected from sunlight, away from sources of heat and ignition, in its original, unopened and hermetically sealed packaging, away from oxidizing agents, food, feed and articles of consumption.		
	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. Ex			ols/perso	nal pr	otection			
8.1 Contro	ol par	ameters						
Substance			CAS No			Occupational exposure limit values/short term values		Biological limit values
						om	mg/m³	
Ethanol			64	-17-5	100	00/-	1900/-	-
Ammonia, anhydrous		766	4-41-7	20	/50	14/36		
Substance nam	ne:	-	1				<u></u>	
EC No:		-	CAS No	:	-			
DNEL								
				ı	Indu	ıstrial		
Route of		Acı			Acute		Chronic	Chronic
exposure:		effect	local effect syst		ct systemic		effect local	effect systemic
Oral		-		-		-		-
Inhalation		1900 mg (ethanol) 36 mg/m (ammon) า ³	47.6 r (amm	mg/m³ nonia)	14 mg	g/m³ (ammonia)	380 mg/m³ (ethanol) 47.6 mg/m³ (ammonia)
Dermal		-		6.8 m bw/d (amm	ay	-		343 mg/kg (ethanol) 6.8 mg/kg bw/day (ammonia)
Critical physica	l para	meters: s	olubility,	flamm	ability, corro	sivity:	-	
					Cons	sumer		
Route of		Ad	cute		Acute		Chronic	Chronic
exposure:		effec	t local	effe	ct systemic		effect local	effect systemic
Oral		-		-		-		87 mg/kg bw/day (ethanol
Inhalation		950 m (ethan	_	-		-		114 mg/m³ (ethanol)
Dermal		-		-		-		206 mg/kg (ethanol)



Environmental protection target

PNEC

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Fresh wate	er	0.96 mg/l (ethanol)	
Freshwate	er sediments	3.6 mg/kg (ethanol)	
Marine wa	ater	0.79 mg/l (ethanol)	
Marine se	diments	2.9 mg/kg (ethanol)	
Food chai	in	380-720 mg/kg (ethanol)	
Microorga	anisms in sewage treatment	580 mg/l (ethanol)	
Soil (agric	:ultural)	0.63 mg/kg (ethanol)	
Air		no information available	
8.2	Exposure controls		
8.2.1.	Appropriate engineering controls		
	Substance/mixture related measure prevent exposure during identified	concentration levels down to a minimum achievable by	
	Structural measures to prevent exposure:	In accordance with Section 7.	
	Organisational measures to prevent exposure:	t Organization of work in order to reduce other worker's influence during work process.	
	Technical measures to prevent expo	In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation.	
	· ·	Use non-sparkling ventilation system.	
		Provide appropriate personal protective equipment, safety shower and eye-wash station.	
8.2.2.	Personal protection equipment		
8.2.2.1.	FVA and tace protection.	Use appropriate, chemical-proof protective glasses/face shield (EN ISO 16321-1:2022, EN 166).	
8.2.2.2.	Skin protection		
	Hand protection:	Use appropriate, chemical-resistant protective gloves (EN 374).	
	Other skin protection:	Use appropriate protective clothing.	



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8.2.2.3.	Respiratory protection:	In case of normal usage and ventilation, it is not necessary. If concentration of ethyl alcohol exceeds occupational exposure limits in the air, use a self-contained breathing apparatus. For short contact and if the oxygen content of the air is greater than 18 %, use a protective gas mask with filter A (EN 14837/A1).
8.2.2.4.	Thermal hazards:	No thermal hazards known.
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	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 o	chemical properties	
		Value	Method
	Physical state:	liquid	No information available
	Colour:	colourless	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:	21 °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
	Vapour pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available



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	Relative vapour density:	No information available	No information available
	Particle characteristics:	No information available	No information available
9.2	Other information		
	-		

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

Ac Route of exposure:	ute toxicity:						
	N 4 - 4 l l						
	Method	Species	Do	ose LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure ti	me	Results
Oral:	-	rat		LD ₅₀	-		7.060 mg/kg (ethanol)
Dermal:	_	rabbit		LD ₅₀	-		>20.000 mg/l (ethanol)
nhalation:	-	rat		LC ₅₀	4 h		>8.000 mg/l (ethanol) 9.850 mg/m ³ air (ammonia)
Sp	ecific target organ to	cicity – single ex	posure (S	TOT SE):			
	Sı	pecific effects		Target o	rgan		Note
Oral:	No informat	ion available		No information a	vailable	-	
Dermal:	No informat	ion available		No information a	vailable	-	
nhalation:	No informat	ion available		No information a	vailable	-	



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Irritation	n and	corrosion						
IIIIalioi	ii aiiu	Exposur	e time	Species	Evaluation	Method		Note
Skin				- P				
corrosion/irritation	on:	-	-		-	-	-	
Serious eye damage/irritation	n	-	-		-	-	-	
Sensitiz	ation							
Skin sensitization	า:	No inf	ormation avail	able.				
Respiratory sensi	itizatio	n: No inf	ormation avail	able.				
		·						
Sympto	ms rel	ated to the ph	nysical, chemic	al and toxicolo	gical character	istics		
Oral exposure: unconscious			ness and alcoh	iol poisoning. I	y cause diz n case of swallo ged exposure n	wing great q	uantities	, nausea and
Dermal exposure: After prolor cracking of s			ted exposure	symptoms ma	ay include: d	lefatting,	dryness and	
Inhalation exposure: Inhalation of membranes.		great quantitie	es may cause d	izziness, eupho	ria and mild i	rritation	of the mucous	
Eye exposure:		May cause ir	ritation and re	dness.				
Reneate	ed dos	e toxicity (sub	acute, subchro	onic chronic)				
Породи		Dose	Exposure time	Species	Method	Evaluation	on	Note
Subacute oral	No avail	information able	No information available	No information available	No information available	No infor		
Subacute dermal	No avail	information able	No information available	No information available	No informatior available	No infor		-
Subacute inhalation	No avail	information able	No information available	No information available	No informatior available	No infor		_
Subchronic oral	No information available		No information available	No information available	No informatior available	No infor		-
Subchronic dermal	No avail	information able	No information available	No information available	No informatior available	No infor		-



11.2.1. Endocrine disrupting properties:

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Subchronic inhalation	No i availa	nformation ble	No information available	No information available	No information available	No informavailable	nation	-	
Chronic oral	No i availa	nformation ble	No information available	No information available	No information available	No information available		-	
Chronic dermal	dermal No information in		No information available	No information available	No information available	No inforn available	nation	-	
Chronic inhalation			No information available	No information available	No information available	No informavailable	nation	-	
Specific	target (organ toxicit	y – repeated e	xposure (STOT	RE):				
			Specific effec	cts	Target o	rgan		Note	
Subacute oral No information available				No information	n available	-			
Subacute dermal No information available				No information	No information available -				
Subacute inhalation No information available			tion available		No information available -				
Subchronic oral		No informa	tion available		No information available -				
Subchronic derm	al	No informa	tion available		No information	No information available -			
Subchronic inhala	ation	No informa	tion available		No information available -				
Chronic oral		No informa	tion available		No information available -				
Chronic dermal		No informa	tion available		No information available -				
Chronic inhalatio	n	No informa	tion available		No information	n available	-		
CAAD (1					
			y; mutagenicity	y; reproductive		:£:+:			
Carcino				Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.					
Mutage	······································	I VIIIO.							
Genoto	·············	v vivo:			able data, the cla				
Mutage	·····				able data, the cla able data, the cla				
Germ cell mutagenicity: Reproductive toxicity:					able data, the cla				
Keproat	ictive (JAICILY.		Daseu on avall	avie uata, the cla	SSIIICALIOI1 (interia a	ire not met.	
Summary of evaluation of the CN properties:				AR Based on met.	available data, t	he classific	ation cı	riteria are not	



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	Based on available data, does not contain endocrine disruptors.
11.2.2.	Other informations:
	-

SECTION 12. Ecologic	cal informa	tion				
12.1 Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol)	-
Crustacea:	EC ₅₀	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol)	-
Algae/aquatic plants	IC ₅₀	4 days	algae	No information available	5.000 mg/l / 7d (ethanol)	-
Other organisms	-	-	-	-	-	_
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC 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/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12.2 Persi	stence and degradability			
Abio	tic degradation			
	Degradation half-lives	Method	Evaluation	Note
		No information available	No information available	1
		No information available	No information available	-



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Air	No inform	nation a	vailable	No in availa	formation ble	No informatio available	n	-		
Soil	No information available No information available				formation ble	No informatio available	n	-		
Biodeg	radation				-					
% Degradatio	n	Time (d	days)		Method	Evaluatio	n		Note	
			formation	No in availa	formation ble	No informatio available	n	No info	ormation le	
12.3 Bioaccu	ımulative p	otentia	ıl							
				(log Kov	v)					
Value				°C	Method	Evalu	Evaluation		Note	
Log Pow: ~ 0.32			-	-	-	-		The product do bioaccumulate		es not
Biocono	centration f	factor (l	BCF)							
Value		Specie	es		Method	Evaluati	on		Note	
BCF: 0.66	No availab		formation	No int	formation ble	No informati available	_			
Chronic	cocotovicit			- 1						
Chronic ecotoxicity Value Dose		Α :	posure time	Species	Method	Evalu	ation	Not	e	
Chronic toxicity on fish LC ₅₀ i		No info	rmation lable	No information available	No information available	No informavailab		_		
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	1	No information able available		No information available	1	o formation - vailable		



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	No information	on available					
	Surface tension	on:					
	Value	°C	Concentration	n Meth	iod		Note
	No No information available available		No information No informatio available available		on	-	
	Adsorption /	desorption					
	•	D coefficient					
Transpo	ort	nry's constant	log Kow	Evaporation rate	Meth	nod	Note
Soil-wa ⁻	No	information	No information available	No information available	No inforn	nation	-
Water-a	air No avail	information able	No information available	No information available	No inforn available		-
Soil-air	No avail	information able	No information available	No information available	No information available		-
12.5	Based on ava	Γ and vPvB assesilable data, the propert	product does not c	ontain any PBT or	vPvB substa	nces.	
12.6.			not contain endo	crine disruptors.			
12.6.			21 22				
12.6.							
12.6. 12.7.	Other adverse	e effects					
	Other adverse		esidues reach sew	er system, waterwa	ays and soil.		
	Other adverse		esidues reach sew	er system, waterwa	ays and soil.		
12.7. SECTIO	Other adverse Do not let the	product or its r		er system, waterwa	ays and soil.		
12.7.	Other adverse Do not let the	e product or its r		er system, waterwa	ays and soil.		
12.7. SECTIO	Other adverse Do not let the N 13. Disposa Waste treat	product or its r	s	er system, waterwa	ays and soil.		



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	Packaging that contains re	esidual hazardous substances or is contaminated with hazardous substances			
13.1.3.	Waste treatment – relevar	at information:			
13.1.3.	No information available	it information.			
	NO IIIOIIIIatioii available				
13.1.4.	Sewage disposal – relevant information:				
	Waste must not be dispos	sed of into the sewage system.			
13.1.5.	Other disposal recommen				
	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. Unused product residues may be			
13.1.6.	Relevant Community prov	visions:			
	Disposal must be made a	ccording to official regulations.			
SECTIO	N 14 TRANSPORT INFORM	ATION			
	Transporting/shipment by r	oad (ADR)			
UN num	ıber:	1170			
UN prop	per shipping name:	Ethanol solution			
Transpo	rt hazard class(es):	3			
Packing	group:	II .			
Environ	mentally hazardous:	-			
Special	orecautions for user:	-			
	Transporting/shipment by r	ail (RID)			
UN num	iber:	1170			
UN prop	per shipping name:	Ethanol solution			
Transpo	rt hazard class(es):	3			
Packing	group:	11			
Environ	mentally hazardous:	-			
Special	orecautions for user:	-			
	Inland waterway transport (ADN)			
UN num	ıber:	1170			
UN prop	er shipping name:	Ethanol solution			
Transpo	rt hazard class(es):	3			
Packing	group:	II			



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Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (ICA	AO-TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

SECTIO	SECTION 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		
	Authorizations:	-		
	Restrictions:	-		



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	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 1999, guideline)	/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 assessment	
. <u></u>	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



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16.3.	Key literature references and source of data:		Manufacturer's MSDS file.
16.4.		cation and procedure 008 (CLP)	used to derive the classification for mixture according to Regulation (EC)
Classific	cation		Classification procedure
-			-
16.5.	Relevar	nt H statements (numb	per and full text)
	H:	225 314 315 319 400	Highly flammable liquid and vapor. Causes severe skin burns and eye damage Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life.
16.6.	Training	g advice:	-
16.7.	5.7. Further information:		** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

	ANNEX: Exposure scenario resulting to chemical safety assessment
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