	MARI	BEC SRL		Revision no. 8 Revision date 11/28/2023
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		Safety Data She	et	
		ith Annex II of REACH - Regulatio		
SECTION 1. Ident	tification of the subs	stance/mixture and of th	ne company/under	taking
1.1. Product identifier				
Code: Name		0030160 SOLVALL		
Chemical name and sync	onyms	SOLVALL		
1.2. Relevant identified	uses of the substance or m	ixture and uses advised against	:	
Sector of use	SU22 – Professional u	ISES		
Product category	PC35 – Washing and	cleaning products (including so	olvent-based products)	
Description/Usage	Solvent-based wax-re	moving/film-removing cleaner		
1.3 Information about t	he supplier of the safety da	ta sheet		
Business name		MARBEC SRL		
Address Locality and State		VIA CROCE ROSSA 5/i 51037 MONTALE (PISTOIA) ITALY		
		tel. +039 0573/959848		
		fax		
e-mail of the competent p responsible for the safety		info@marbec.it		
1.4. Emergency telepho	ne number			
For urgent information ple MARBEC srl	ease contact			
	m 2pm-6pm or +393348578	502		
Telephone number of Pois RCSS Maugeri Foundatio	son Control Centers active 2	24 hours a day		
Pavia 0039-0382-24444	n –			
CAV Ospedali Riuniti – Bergamo 0039-800-883300				
CAV Niguarda Ca` Granda				
Wilan 0039-02-66101029 CAV Careggi Hospital - Flo	oronco 0030-055-70/7810			
CAV Careggi Hospital - Fit	orence 0039-035-7947819			
Rome 0039-06-3054343 CAV Policlinico Umberto I	_			
Rome 0039-06 49978000	-			
CAV Cardarelli Hospital –				
Naples 0039-081 5453333 CAV Verona Integrated Ho	ospital Company - Verona 80	00011858		
SECTION 2. Haza	rd Identification			



1-methoxy-2-propanol

Product not intended for the uses foreseen by Directive 2004/42/EC.

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentages \geq 0.1%.

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The product does not contain substances with properties that interfere with the endocrine system in concentrations $\geq 0.1\%$.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
DIMETHYL ADIPATE DIMETHYL GLUTARATE DIMETHYL SUCCINATE		
CAS -	9 ≤ x < 30	
CE 906-170-0		
INDEX -		
REACH Reg. 01-2119475445-32		
Dimethyl-2-methyl glutarate		
CAS 14035-94-0	9 ≤ x < 30	
THERE IS		
INDEX -		
REACH Reg. 01-0000017895-56		
DIPROPYLENE GLYCOL MONOMETHYL ETHER CAS 34590-94-8	9≤x<30	Substance with a community workplace exposure limit.
CE 252-104-2	0 = X + 00	
INDEX -		
REACH Reg. 01-2119450011-60- xxxx		
1-METHOXY-2-PROPANOL		
CAS 107-98-2	9 ≤ x < 20	Flam. Liq. 3 H226, STOT SE 3 H336
CE 203-539-1		
INDEX 603-064-00-3		
REACH Reg. 01-2119457435-35		
BENZYL ALCOHOL		
CAS 100-51-6	3 ≤ x < 9	Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319
CE 202-859-9		LD50 Oral: 1620 mg/kg, ATE Vapor inhalation: 11 mg/l
INDEX 603-057-00-5		······································
REACH Reg. 01-2119492630-38-		
XXXX		
lydrocarbons, C9-C11, n-alkanes,	isoalkanes, cyclic,	<2% aromatics"
	3 ≤ x < 9	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066
CAS -		

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INDEX -		
REACH Reg. 01-2119463258-33		
2-BUTHOXYETHANOL		
CAS 111-76-2	3 ≤ x < 9	Acute Tox. 3 H331, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315
CE 203-905-0		LD50 Oral: >1200 mg/kg, LC50 Inhalation vapors: 3 mg/l/4h
INDEX 603-014-00-0		
REACH Reg. 01-2119475108-36- 0005		
Alcohols, C11-13-branched, ethoxylated (>2.5 mol EO) CAS 68439-54-3	1 ≤ x < 3	Acute Tox. 4 H302, Eye Dam. 1 H318
THERE IS		LD50 Oral: >300 mg/kg
INDEX -		
ETHANOLAMINE		
CAS 141-43-5	0.5 ≤ x < 1	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335
CE 205-483-3		STOT SE 3 H335: ≥ 5%
INDEX 603-030-00-8		LD50 Oral: 1515 mg/kg, ATE Dermal: 1100 mg/kg, ATE Vapor inhalation: 11 mg/l
REACH Reg. 01-2119486455-28		5

The complete text of the hazard indications (H) is shown in section 16 of the sheet.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

NOTE: The dearomatized white spirit in this product is a UVCB complex (PrC3), CAS na, EC 919-857-5, n. INDEX: na ("C9-C11 hydrocarbons, nalkanes, isoalkanes, cyclic, <2% aromatic" complex and variable combination of paraffinic, cyclic and aromatic hydrocarbons, having carbon numbers predominantly in the C9-C11 range and point boiling point in the range 130°C - 210°C). Some manufacturers provide the following related CAS: 64742-48-9.

Applicable Note P of Annex 1. Benzene concentration < 0.1 & by weight.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids wide. Consult a doctor if the problem persists.

SKIN: Take off contaminated clothing. Shower immediately. Call a doctor immediately. Wash the contaminated garments before reusing them.

INHALATION: Move the subject to fresh air. If breathing stops, give artificial respiration. Call a doctor immediately.

INGESTION: Call a doctor immediately. Do not induce vomiting. Do not administer anything that is not expressly authorized by your doctor.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

INGESTION: do not induce vomiting to avoid the risk of aspiration. Transport the injured person to hospital immediately. Don't wait for symptoms to appear. In case of spontaneous vomiting, keep your head down to avoid the risk of aspiration of the vomit into your lungs.

4.2. Main symptoms and effects, both acute and delayed

There is no specific information on the symptoms and effects caused by the product.

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

If accidentally ingested, the product can enter the lungs due to its low viscosity and cause the rapid development of serious lung lesions (keep under medical supervision for 48 hours). Notes to physician: Treat symptomatically.

Notes to physician. Treat symptomatically.

4.3. Indication of any immediate medical attention and special treatment needed

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

If accidentally ingested, the product can enter the lungs due to its low viscosity and cause the rapid development of serious lung lesions (keep under medical supervision for 48 hours). Notes to physician: Treat symptomatically.

SECTION 5. Fire fighting measures

5.1. Fire fighting

SUITABLE EXTINGUISHING MEANS

The extinguishing media are: carbon dioxide, foam, chemical powder. For product leaks and spills that have not ignited, water spray can be used to disperse flammable vapors and protect those trying to stop the leak.

UNSUITABLE EXTINGUISHING MEANS

Do not use water jets. Water is not effective in extinguishing fires however it can be used to cool closed containers exposed to flames preventing explosions.

5.2. Special hazards arising from the substance or mixture

DANGERS DUE TO EXPOSURE IN THE EVENT OF FIRE Overpressure can be created in containers exposed to fire with risk of explosion. Avoid breathing combustion products.

5.3. Recommendations for fire fighters

GENERAL INFORMATIONS

Cool the containers with jets of water to avoid decomposition of the product and the development of substances potentially dangerous to health. Always wear full fire protection equipment. Collect extinguishing water that must not be discharged into sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

Normal fire-fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire fighter boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.

Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers and for emergency interventions.

Keep unequipped people away. Use explosion-proof equipment. Eliminate any sources of ignition (cigarettes, flames, sparks, etc.) or heat from the area where the leak occurred.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters and groundwater.

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6.3. Methods and materials for containment and cleanup

Suck up the spilled product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material. Provide sufficient ventilation of the area affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is reported in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for Safe Handling

Keep away from heat, sparks and open flames, do not smoke or use matches or lighters. Without adequate ventilation, vapors can accumulate on the ground and ignite even remotely, if triggered, with the risk of backfire. Avoid the accumulation of electrostatic charges. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid dispersing the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool, well-ventilated place, away from heat sources, open flames, sparks and other sources of ignition. Store containers away from any incompatible materials, checking section 10.

Storage class TRGS 510 (Germany):

7.3. Specific end uses

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Normative requirements:

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe. Mitteilung 56
EXP BETWEEN ITA	Spain France Italy	Professional exposure limits for chemical agents in Spain 2021 Value limits of professional exposure to chemical agents in France. ED 984 - INRS Legislative Decree 9 April 2008, n.81
PRT	Portugal	Decree-Lei n.º 1/2021 of 6 January, indicative professional exposure limit values for chemical agents. Legislative Decree no. 35/2020 of 13 July, protection of workers against risks linked to exposure during work with cancerous or mutagenic agents
GBR EU	United Kingdom TLV-ACGIH CPR TLV	EH40/2005 Workplace exposure limits (Fourth Edition 2020) ACGIH 2021
ACGIH TLVs and Appendix H	BEls –	

DIMETHYL ADIPATE DIMETHYL GLUTARATE DIMETHYL S	SUCCINATE		
Predicted no-effect concentration on the environment - PNEC			
Reference value in fresh water	0.018	mg/l	

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Reference value in sea wa	ter			0.0018	mg.	/I		
Reference value for sediments in fresh water				0.16	mg	/kg/d		
Reference value for sediments in sea water				0.016	mg	/kg/d		
Reference value for water, intermittent release				0.18	mg	/I		
Reference value for STP microorganisms				10	mg	/I		
Reference value for the te	rrestrial compartment			9	mg	/kg/d		
Health - Derived No E	ffect Level - DNEL / I	OMEL						
	Effects on consumers				Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic premises	Chronic systemic	Acute rooms	Acute systemic	Chronic premises	Chronic systemic
Inhalation			5 mg/m3	VND			8.3 mg/m3	VND

DIPROPYLENE GLYCOL MONOMETHYL ETHER

Threshold limit value	e						
Guy	State	TWA/8h	/8h STEL/15min			Notes / Observations	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	310	50	310	50		
MAK	DEU	310	50	310	50		
VLA	EXP	308	50			SKIN	
VLEP	BETWEEN	308	50			SKIN	
VLEP	ITA	308	50			SKIN	
VLE	PRT	308	50			SKIN	
WEL	GBR	308	50			SKIN	
OEL	EU	308	50			SKIN	

1-METHOXY-2-PROPANOL

Guy	State	State TWA/8h		STEL/15min		Notes / Observations	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	370	100	740	200		
MAK	DEU	370	100	740	200		
VLA	EXP	375	100	568	150	SKIN	
VLEP	BETWEEN	188	50	375	100	SKIN	
VLEP	ITA	375	100	568	150	SKIN	
VLE	PRT	375	100	568	150		
WEL	GBR	375	100	560	150	SKIN	
OEL	EU	375	100	568	150	SKIN	
TLV-ACGIH		184	50	368	100		

Health - Derived No En	ect Level - DNEL / D							
	Effects on				Effects on			
	consumers				workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic	Chronic	Acute rooms	Acute	Chronic	Chronic
			premises	systemic		systemic	premises	systemic
Oral			VND	3.3 mg/kg				
				bw/d				
Inhalation			VND	43.9 mg/m3	553.5 mg/m3	VND		369 mg/m3
Dermal			VND	18.1 mg/kg		VND		50.6 mg/kg
				bw/d				bw/d

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208 mg/kg

bw/d

Guy	State	TWA/8h		STEL/15min		Notes /		
		mg/m3	ppm	mg/m3	ppm	Observati	ons	
AGW	DEU	22	5	44	10	SKIN	11	
Predicted no-effect concent	-		5	44	10	JULI	11	
Reference value in fresh wa	ater			1	mg/	1		
Reference value in sea wat	er			0.1	mg/	1		
Reference value for sedime	ents in fresh water			5.27	mg/	′kg		
Reference value for sedime	ents in sea water			0.527	mg/	′kg		
Reference value for water,	intermittent release			2,3	mg/	1		
Reference value for STP m	icroorganisms			39	mg/	1		
Reference value for the ter	restrial compartment			0.45	mg/	/kg/d		
Health - Derived No Ef	fect Level - DNEL / Effects on consumers	DMEL			Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic premises	Chronic systemic	Acute rooms	Acute systemic	Chronic premises	Chronic systemic
Oral		20 mg/kg bw/d	решьез	4 mg/kg bw/d		Systemic	premises	Systemic
Inhalation		27 mg/m3		5.4 mg/m3		110 mg/m3		22 mg/m3
Dermal		20 mg/kg bw/d		4 mg/kg bw/d		40 mg/kg bw/d		8 mg/kg bw
	n-alkanes, isoalkan	es, cyclic, <2% a	aromatics"					
Threshold limit value	n-alkanes, isoalkan State	es, cyclic, <2% a	aromatics"	STEL/15min		Notes /		
Threshold limit value			aromatics"	STEL/15min mg/m3	ppm		ons	
Threshold limit value Guy		TWA/8h			ppm	Notes /	ons	
Threshold limit value Guy CPR TLV	State	TWA/8h mg/m3 1200	ppm		ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen	State tration on the environme	TWA/8h mg/m3 1200	ppm		ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w	State tration on the environme ater	TWA/8h mg/m3 1200	ppm	mg/m3	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh wa	State tration on the environme ater er	TWA/8h mg/m3 1200	ppm	mg/m3 NPI	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wat Reference value for sedime	State tration on the environme ater ter ents in fresh water	TWA/8h mg/m3 1200	ppm	mg/m3 NPI NPI	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wal Reference value for sedime	State tration on the environme ater ter ents in fresh water ents in sea water	TWA/8h mg/m3 1200	ppm	mg/m3 NPI NPI NPI	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wat Reference value for sedime Reference value for sedime Reference value for sedime	State tration on the environme ater ter ents in fresh water ents in sea water intermittent release	TWA/8h mg/m3 1200	ppm	mg/m3 NPI NPI NPI NPI	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wat Reference value for sedime Reference value for sedime Reference value for sedime Reference value for ster m Reference value for STP m	State tration on the environme ater ents in fresh water ents in sea water intermittent release icroorganisms id chain (secondary pois	TWA/8h mg/m3 1200 ent - PNEC	ppm	mg/m3 NPI	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wat Reference value for sedime Reference value for sedime Reference value for sedime Reference value for set m Reference value for the foc Reference value for the foc	State tration on the environme ater er ents in fresh water ents in sea water intermittent release icroorganisms id chain (secondary pois restrial compartment	TWA/8h mg/m3 1200 ent - PNEC	ppm	mg/m3 NPI	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh with Reference value in sea wat Reference value for sedime Reference value for sedime Reference value for sedime Reference value for ster m Reference value for STP m Reference value for the ter Reference value for the ter Reference value for the ter	State tration on the environme ater ents in fresh water ents in sea water intermittent release icroorganisms id chain (secondary pois restrial compartment nosphere	TWA/8h mg/m3 1200 ent - PNEC	ppm	mg/m3 NPI	ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wat Reference value for sedime Reference value for sedime Reference value for sedime Reference value for stern Reference value for the tern Reference value for the tern	State tration on the environme ater ents in fresh water ents in sea water intermittent release icroorganisms id chain (secondary pois restrial compartment nosphere	TWA/8h mg/m3 1200 ent - PNEC	ppm	mg/m3 NPI	ppm Ppm	Notes /	ons	
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wat Reference value for sedime Reference value for sedime Reference value for sedime Reference value for ster m Reference value for the ter Reference value for the ter	State tration on the environme ater er ents in fresh water ents in sea water intermittent release icroorganisms id chain (secondary pois restrial compartment nosphere fect level - DNEL / D Effects on	TWA/8h mg/m3 1200 ent - PNEC	ppm 197	mg/m3 NPI	Effects on	Notes / Observati	Chronic	Chronic
Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh wi Reference value in sea wal Reference value for sedime Reference value for sedime Reference value for sedime Reference value for ster m Reference value for the ter Reference value for the ter	State tration on the environme ater er ents in fresh water ents in sea water intermittent release icroorganisms of chain (secondary pois restrial compartment nosphere fect level - DNEL / D Effects on consumers	TWA/8h mg/m3 1200 ent - PNEC	ppm 197	mg/m3 NPI	Effects on workers	Notes / Observati		Chronic systemic
ydrocarbons, C9-C11, Threshold limit value Guy CPR TLV Predicted no-effect concen Reference value in fresh w Reference value in sea wat Reference value for sedime Reference value for sedime Reference value for sedime Reference value for stern Reference value for the tern Reference value for th	State tration on the environme ater er ents in fresh water ents in sea water intermittent release icroorganisms of chain (secondary pois restrial compartment nosphere fect level - DNEL / D Effects on consumers	TWA/8h mg/m3 1200 ent - PNEC	ppm 197	mg/m3 NPI	Effects on workers	Notes / Observati	Chronic	

125 mg/kg bw/d

2-BUTHOXYETHANOL

Dermal

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Threshold limit value Guy	State	TWA/8h		STEL/15min		Notes /		
·		mg/m3	ppm	mg/m3	ppm	Observatio	ons	
AGW	DEU	49	10	98 (C)	20 (C)	SKIN		
MAK	DEU	49	10	98	20	SKIN	Hinwei	8
VLA	EXP	98	20	245	50	SKIN		0
VLEP	BETWEEN	49	10	246	50	SKIN		
VLEP	ITA	98	20	246	50	SKIN		
VLE	PRT	98	20	246	50	SKIN		
WEL	GBR	123	25	246	50	SKIN		
OEL	EU	98	20	246	50	SKIN		
TLV-ACGIH		97	20					
Predicted no-effect concentration	on the environme	ent - PNEC						
Reference value in fresh water				8.8	mg	//		
Reference value in sea water				0.88	mg	/I		
Reference value for sediments in	fresh water			34.6	mg	/kg		
Reference value for sediments in	sea water			3.46	mg	/kg		
Reference value for water, interm	ittent release			9.1	mg	/I		
Reference value for STP microorg	ganisms			463	mg	/I		
Reference value for the food chain	n (secondary pois	soning)		20	mg	/kg		
Reference value for the terrestrial	compartment			2.33	mg	/kg		
Health - Derived No Effect L	Effects on consumers	DMEL			Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic	Chronic	Acute rooms	Acute	Chronic	Chronic
Oral		26.7 mg/kg	premises	systemic 6.3 mg/kg		systemic	premises	systemic
Inhalation	147 mg/m3	bw/d 426 mg/m3		bw/d 59 mg/m3	246 mg/m3	1091 mg/m3		98 mg/m3
Dermal	· · · · · · · · · · · · · · · · · · ·	ege		38 mg/kg				g,
				bw/d				
ETHANOLAMINE								
Threshold limit value								
Guy	State	TWA/8h		STEL/15min		Notes / Observatio	ons	
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	0.5	0.2	0.5	0.2	SKIN		
MAK	DEU	0.51	0.2	0.51	0.2			
VLA	EXP	2.5	1	7.5	3	SKIN		
VLEP	BETWEEN	2.5	1	7.6	3	SKIN		
VLEP	ITA	2.5	1	7.6	3	SKIN		
VLE	PRT	2.5	1	7.6	3	SKIN		
WEL	GBR	2.5	1	7.6	3	SKIN		
OEL	EU	2.5	1	7.6	3	SKIN		
TLV-ACGIH		7.5	3	15	6			
Predicted no-effect concentration	on the environme	ent - PNEC						
				0.085				

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Reference value in sea wa	iter			0.0085	mg	/I		
Reference value for sedim	ents in fresh water			0.425	mg	/kg		
Reference value for sedim	ents in sea water			0.0425	mg	/kg		
Reference value for water	intermittent release			0.025	mg	/I		
Reference value for STP r	nicroorganisms			100	mg	/I		
Reference value for the la	nd compartment			0.035	mg	/kg		
Health - Derived No E	ffect Level - DNEL / Effects on consumers	DMEL			Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic premises	Chronic systemic	Acute rooms	Acute systemic	Chronic premises	Chronic systemic
Oral				3.75 mg/kg/d				
Inhalation			2 mg/m3				3.3 mg/m3	
Dermal				0.24 mg/kg/d				1 mg/kg/d

Legend:

(C) = CEILING ; INALAB = Inhalable Fraction; RESPIR = Respirable Fraction; TORAC = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no expected exposure; NPI = no hazard identified.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction.

When choosing personal protective equipment, ask your chemical suppliers for advice if necessary.

Personal protective equipment must bear the CE marking which certifies their compliance with current regulations.

Provide emergency shower with eyecup.

HAND PROTECTION

Protect your hands with category III work gloves (ref. standard EN 374).

For the final choice of work glove material, the following must be considered: compatibility, degradation, breaking time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is unpredictable. The gloves have a wear time that depends on the duration and method of use.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional category I use (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

Consider providing anti-static clothing if the work environment presents a risk of explosiveness.

EYE PROTECTION

We recommend wearing airtight protective glasses (ref. standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, combined filters must be provided.

The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by masks is limited.

In the event that the substance considered is odorless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or a self-contained breathing apparatus external air (ref. EN 138 standard). For the correct choice of respiratory protection device, refer to the EN 529 standard.

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ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

Do not release into the environment. Storage facilities must be equipped with appropriate systems to prevent soil and water contamination in the event of leaks or spills. Prevent the release of undissolved substances or recover them from wastewater. Do not distribute sludge generated by industrial water treatment on natural soils. Sludge generated from industrial water treatment must be incinerated, kept under containment or treated. Other information Minimize exposure to mists/vapours/aerosols. Before accessing the storage tanks and starting any type of intervention in a confined space, carry out adequate reclamation, check the atmosphere and check the oxygen content and the degree of flammability.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical State	liquid	
Color	yellowish	
Odor	characteristic	
Melting or freezing point	Not available	
Initial boiling point	Not available	
Flammability	Not available	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Flash point	40°C	
Auto-ignition temperature	Not available	
рН	Not applicable	Reason for missing data: the substance/mixture is not soluble (in water)
Kinematic viscosity	Not available	Substance/mixture is not soluble (in water)
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	Not available	
Vapor pressure	Not available	
Density and/or Relative density	0.99 kg/litre	
Relative vapor density	Not available	
Characteristics of the particles	Not applicable	
0.0 Mana information		
9.2. More information		
9.2.1. Information regarding physical haza	rd classes	
Information not available		

9.2.2. Other safety features

VOC (Directive 2010/75/EU) Explosive properties Oxidizing properties 95.15% - 942.00 g/litre not explosive non-oxidizing

SECTION 10. Stability and reactivity

10.1. Reactivity

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There are no particular dangers of reaction with other substances under normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of dangerous reactions

Vapors can form explosive mixtures with air.

DIPROPYLENE GLYCOL MONOMETHYL ETHER

May react violently with: strong oxidizing agents.

1-METHOXY-2-PROPANOL

May react dangerously with: strong oxidizing agents, strong acids.

BENZYL ALCOHOL

May react dangerously with: hydrobromic acid, iron, oxidizing agents, sulfuric acid. Risk of explosion on contact with: phosphorus trichloride.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Vapors can form explosive mixtures with air. Contact with strong oxidants (such as peroxides and chromates) may cause a fire hazard. A mixture with nitrates or other strong oxidants (such as chlorates, perchlorates and liquid oxygen) can generate an explosive mass. Sensitivity to heat, friction and shock cannot be assessed in advance.

2-BUTHOXYETHANOL

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

ETHANOLAMINE

May react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulfuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulfuric acid, strong acids, vinyl acetate, cellulose nitrate.

10.4. Conditions to avoid

Avoid overheating. Avoid the accumulation of electrostatic charges. Avoid any source of ignition.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Due to thermal decomposition or in the event of fire, gases and vapors potentially harmful to health can be released.

2-BUTHOXYETHANOL

Can develop: hydrogen.

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ETHANOLAMINE

May develop: nitrogen oxides, carbon oxides.

SECTION 11. Toxicological information

11.1. Information on the hazard classes defined in Regulation (EC) no. 1272/2008

In the absence of experimental toxicological data on the product itself, any health hazards of the product were assessed based on the properties of the substances contained, according to the criteria established by the reference legislation for classification. Therefore, consider the concentration of the individual dangerous substances possibly mentioned in section. 3, to evaluate the toxicological effects resulting from exposure to the product. Acute effects: contact with eyes causes irritation; Symptoms may include: redness, edema, pain and tearing. Ingestion can cause health problems, including abdominal pain with burning, nausea and vomiting.

The product contains very volatile substances that can cause significant depression of the central nervous system (CNS), with effects such as drowsiness, dizziness, loss of reflexes, narcosis.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Local effects. Product information:

Skin contact. Symptoms: Redness. Repeated exposure may cause dryness or cracking of the skin. Eye contact: Contact with eyes may cause irritation. Inhalation: Inhalation of vapors may cause drowsiness and dizziness. May cause irritation. Inhalation of vapors can cause headache, nausea, vomiting and changes in consciousness.

Ingestion: if accidentally ingested, the product can enter the lungs due to its low viscosity and cause the rapid development of serious lung lesions (keep under medical supervision for 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression.

Other adverse effects

Vapor concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headache and dizziness, have an anesthetic effect and cause other effects on the central nervous system. Repeated and/or prolonged skin contact with low viscosity materials can degrease the skin with possible development of irritation and dermatitis. Small quantities of liquid, aspirated into the lungs if swallowed or vomited, can cause chemical pneumonitis or pulmonary edema.

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

1-METHOXY-2-PROPANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

Immediate, delayed and chronic effects resulting from short- and long-term exposures

1-METHOXY-2-PROPANOL

The main route of entry is the skin, while the respiratory route is less important, given the low vapor pressure of the product. Above 100 ppm there is irritation of the ocular, nasal and oropharyngeal mucous membranes. At 1000 ppm, balance disturbances and severe eye irritation are noted. The clinical and biological tests carried out on the exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation upon direct contact. No chronic effects on humans are reported.

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teractive effects		
formation not available		
CUTE TOXICITY		
ATE (Inhalation - vapours) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:	> 20 mg/l >2000 mg/kg Not classified (no relevant component)	
IMETHYL ADIPATE DIMETHYL GLUTARATE DIME	THYL SUCCINATE	
LD50 (Dermal): LD50 (Oral): LC50 (Vapour inhalation):	> 2000 mg/kg rat > 5000 mg/kg rat > 11 mg/l/4h rat	
imethyl-2-methyl glutarate		
LD50 (Dermal): LC50 (Vapour inhalation):	> 2000 mg/kg rat > 5.6 mg/l/4h rat	
-METHOXY-2-PROPANOL		
LD50 (Dermal): LD50 (Oral): LC50 (Vapour inhalation):	> 2000 mg/kg Rabbit 4016 mg/kg Rat > 7000 mg/l/4h Rat	
ENZYL ALCOHOL		
LD50 (Dermal): LD50 (Oral): LC50 (Vapour inhalation): STA (Vapour inhalation):	2000 mg/kg Rabbit 1620 mg/kg Rat > 4178 mg/l/4h Rat 11 mg/l estimated from table 3.1.2 of Annex (data used to calculate the estimate of the a	
lydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic,	<2% aromatics"	
LD50 (Dermal): LD50 (Oral): LC50 (Vapour inhalation):	> 2000 mg/kg > 5000 mg/kg > 9300 mg/l/4h	
BUTHOXYETHANOL		
LD50 (Dermal): LD50 (Oral): LC50 (Vapour inhalation):	> 2000 mg/kg Guinea pig (OECD - guideline > 1200 mg/kg Guinea pig 3 mg/l/4h Rat	e 402)
thoxylated aliphatic alcohol 7 moles		
LD50 (Dermal): LD50 (Oral):	> 2000 mg/kg rabbit > 300 mg/kg rat	

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2504 mg/kg rat

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ETHANOLAMINE

LD50 (Dermal): STA (Cutaneous):

LD50 (Oral): LC50 (Vapour inhalation):

SKIN CORROSION / SKIN IRRITATION

1100 mg/kg estimated from table 3.1.2 of Annex I of CLP (data used to calculate the estimate of the acute toxicity of the mixture) 1515 mg/kg rat 1.48 mg/l/4h rat

It does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Repeated exposure may cause dryness and cracking of the skin. Slightly irritating to the skin in case of prolonged exposure.

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye irritation

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

EYE CONTACT: May cause mild, short-term eye discomfort. Based on test data for materials similar in structure to OECD Guideline 405.

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

Respiratory sensitization

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

It is assumed that it is not a respiratory sensitiser.

Skin sensitization

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics" It is assumed that it is not a skin sensitizer according to OECD 406 guidelines.

MUTAGENICITY ON GERM CELLS

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It does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

The mutagenic potential of the substance has been extensively studied in a range of in-vivo and in-vitro assays. Genetic toxicity: negative. It is assumed not to be a germ cell mutagen. Based on test data for materials of similar structure to OECD guidelines 471 473 474 476 478 479.

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

This product is not classified as carcinogenic. It is assumed that it does not cause cancer. Based on test data for materials similar in structure to OECD Guideline 453.

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

No information available. It is assumed not to be a reproductive toxicant. Based on test data for materials of similar structure to OECD guidelines 414 421 422.

Harmful effects on sexual function and fertility

Information not available

Harmful effects on the development of offspring

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

The results of the studies on the substance relating to developmental toxicity, dictated by the OECD guidelines and those of the screening studies in the same area did not reveal toxicity in rats.

Effects on or through breastfeeding

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Lactation: It is assumed that it is not harmful to breast-fed infants.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

May cause drowsiness or dizziness

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Single exposure: May cause drowsiness and dizziness. This substance does not meet the EU criteria for classification.

Target organs

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Central nervous system

Route of exposure

Information not available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Repeated Exposure: Expected not to cause damage to organs following prolonged and repeated exposure. Based on test data for materials of similar structure to OECD guidelines 408 413 422. No known effects based on information provided.

Target organs

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Central nervous system.

Route of exposure

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Information not available

DANGER IN CASE OF ASPIRATION

Toxic by aspiration

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

The fluid can enter the lungs and cause damage (chemical pneumonia, potentially fatal).

11.2. Information about other hazards

Based on available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on human health being evaluated.

SECTION 12. Ecological information

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics"

Use according to good working practices, avoiding dispersing the product into the environment. Notify the competent authorities if the product has reached waterways or sewers or if it has contaminated the soil or vegetation. C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatic (EC 919-857-5) : Based on the ecological information below and based on the criteria indicated by the regulations on hazardous substances, this substance is not classified dangerous for the environment.

12.1. Toxicity

1-METHOXY-2-PROPANOL

The product is most likely not harmful to aquatic organisms. The correct introduction of low concentrations into a biological purification plant should not compromise the degradation activity of the activated sludge.

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatic (EC 919-857-5): Below is a summary of the most representative studies of the Registration Dossier. Aquatic toxicity: Endpoint: Invertebrates - Short term (Daphnia magna)

Result: EL50 (48 h): >1000 mg/L (mobility); EL50 (24 h): >1000 mg/L (mobility)

Comments: Key study (C9-C11, <2% aromatics) - OECD Guideline 202 - SRC (1995)

Endpoint: Invertebrates - Short term (Chaetogammarus marinus)

Result: LL50 (48 h): > 1000 mg/L (mortality); LL50 (24 h): >1000 mg/L (mortality)

Comments: Key study (C9-C11 <2 % aromatics) OECD Guideline 202 - TNO (1992)

Endpoint: Invertebrates - Long term (Daphnia magna)

Result: NOELR (21 days): 0.23 mg/L (reproduction)

Comments: Supporting study (C9-C11 <2 % aromatics) (Q)SAR Modeled data - CONCAWE (2010)

Endpoint: Algae (Pseudokirchnerella subcapitata) Growth inhibition

Result: EC50 (72 h): > 1000 mg/L (Growth); EC50 (72 h): > 1000 mg/L (biomass); NOELR (72 h): 3 mg/L (Cell number); NOELR (72 h): 100 mg/L (Growth)

Comments: Key study (C9-C11 <2 % aromatics) OECD Guideline 201 - SRC (1995)

Endpoint: Fish - Short term (Oncorhynchus mykiss)

Result: LL50 (24h):>1000 mg/L; LL0 (24h):1000 mg/L; LL50 (48h): >1000 mg/L; LL0 (48 h):1000 mg/L; LL50 (72): >1000 mg/L; LL0 (72 h) mg/L: Comments: Key study (C9-C11 <2 % aromatics) OECD Guideline 203 - SRC (1995).

2-BUTHOXYETHANOL

Aquatic toxicity assessment (supplier): the product is most likely not harmful to aquatic organisms. There is a high probability that the product is not chronically harmful to aquatic organisms. The correct introduction of low concentrations into a biological purification plant should not compromise the degradation activity of the activated sludge. Terrestrial Toxicity Assessment (Supplier): Study scientifically not justified.

2-BUTHOXYETHANOL

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LC50 - Pisces	1474 mg/l/96h oncorhynchus mykiss
EC50 - Crustaceans	1550 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	1840 mg/l/72h pseudokirchneriella subcapitata
Chronic NOEC Fish	> 100 mg/l brachydanio rerio
Chronic NOEC Crustaceans	100 mg/l daphnia magna
ETHANOLAMINE	
LC50 - Pisces	349 mg/l/96h cyprinus carpio
EC50 - Crustaceans	65 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	2.5 mg/l/72h pseudokirchneriella subcapitata
BENZYL ALCOHOL	
LC50 - Pisces	460 mg/l/96h Pimephales promelas
EC50 - Crustaceans	230 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	770 mg/l/72h Pseudokircheneriella subcapitata
1-METHOXY-2-PROPANOL	
LC50 - Pisces	> 6800 mg/l/96h leuciscus idus
EC50 - Crustaceans	23300 mg/l/48h daphnia magna
LC50 - Pisces EC50 - Crustaceans	> 1000 mg/l/96h > 1000 mg/l/48h
LC50 - Pisces	> 1000 mg/l/96h
EC50 - Algae / Aquatic Plants	> 1000 mg/l/72h
Ethoxylated aliphatic alcohol 7 moles	
LC50 - Pisces	5 mg/l/96h
EC50 - Crustaceans	5 mg/l/48h
EC50 - Algae / Aquatic Plants	5 mg/l/72h
Chronic NOEC Algae / Aquatic Plants	10 mg/kg OECD 208 method
Dimethyl-2-methyl glutarate	
LC50 - Pisces	56 mg/l/96h Oncorhynchus mykiss
EC50 - Crustaceans	> 100 mg/l/48h Daphnia magna
EC50 - Algae / Aquatic Plants	> 60 mg/l/72h Pseudokirchneriella subcapitata
2.2. Persistence and degradability	
OECD 301E/92/96/EEC, C 4-B) (aerobic, municip): easily biodegradable (according to OECD criteria). Disposal considerations: 90-100% (28 days) pal water treatment plant effluent). In water, hydrolytic stability was not determined but rapid s). OECD 301E tests. Atmospheric vapor photodegraded rapidly (half-life <1 day), <2% aromatics"

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatic (EC 919-857-5): Abiotic Degradability: Hydrolysis: This substance is resistant to hydrolysis. Therefore, this process will not contribute to a measurable loss of degradation of the substance in the environment.

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Biotic Degradability: Based on available studies and biodegradable. Method: Non-adapted microorganisms OECD Guide Result: Readily biodegradable 80% (28 days) Comments : Key study Reliable without restrictions (Source : Shell (1997).	line 301 F	bstance is considered inherently
DIPROPYLENE GLYCOL MONOMETHYL		
ETHER Solubility in water	1000 - 10000 mg/l	
Rapidly degradable	C C	
2-BUTHOXYETHANOL		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable		
ETHANOLAMINE		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable	1000 - 10000 mg/i	
BENZYL ALCOHOL		
Rapidly degradable		
1-METHOXY-2-PROPANOL		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycli	ic, <2% aromatics"	
nherently degradable		
Ethoxylated aliphatic alcohol 7 moles		
Rapidly degradable		
Dimethyl-2-methyl glutarate		
Rapidly degradable		
DIMETHYL ADIPATE DIMETHYL GLUTARATE DIMETHYL SUCCINATE Rapidly degradable		
2.3. Bioaccumulative potential		
C9-C11 hydrocarbons, n-alkanes, isoalkanes, cycl substances.	ic, <2% aromatics (EC 919-857-5): Standard	tests for this endpoint are not applicable to UVCB
DIPROPYLENE GLYCOL MONOMETHYL		
ETHER Partition coefficient: n-octanol/water	0.0043	
2-BUTHOXYETHANOL		

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BCF	3.16 (calculated QSAR value). This substance is not expected to bioaccumulate
ETHANOLAMINE Partition coefficient: n-octanol/water	-2.3
BENZYL ALCOHOL Partition coefficient: n-octanol/water	1.1
1-METHOXY-2-PROPANOL Partition coefficient: n-octanol/water	< 1

12.4. Mobility in soil

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatics (EC 919-857-5): Koc absorption: Standard tests for this endpoint are not applicable to substances

UVCB. 2-BUTHOXYETHANOL

Transport evaluation between environmental departments (supplier): the substance does not evaporate into the atmosphere from the water surface. Absorption to the solid phase of the soil is not predictable. Scientifically unjustified study. Stability in water: immediate hydrolysis is not expected; contains no functional groups which are believed to be hydrolysable in water. Stability in soil: expected low adsorption into soil particles.

ETHANOLAMINE

Partition coefficient: soil/water

-0.5646

12.5. Results of PBT and vPvB assessment

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatic (EC 919-857-5): Comparison with the criteria of Annex XIII of the REACh Regulation Evaluation of persistence: some hydrocarbon structures contained in this substance present characteristics of P (Persistent) or vP (very Persistent).

Evaluation of bioaccumulation potential: the structure of most of the hydrocarbons contained in this substance DOES NOT present

characteristics of vB (very Bioaccumulative) however some components have characteristics of B (Bioaccumulative).

Toxicity assessment: For hydrocarbon structures that showed P and B characteristics, toxicity was assessed but no

relevant component meets the toxicity criteria with the exception of anthracene which has been confirmed as a PBT. Because anthracene is not present, the product is not considered PBT/vPvB.

Based on available data, the product does not contain PBT or vPvB substances in percentages $\geq 0.1\%$.

12.6. Endocrine disrupting properties

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatic (EC 919-857-5): Dispersion into the environment may lead to contamination of environmental matrices

(air, soil, subsoil, surface and groundwater). Use according to good working practice, avoiding dispersing the products into the environment Based on available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on the environment being evaluated.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal Considerations

13.1. Waste treatment methods

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Reuse if possible. Product residues are to be considered hazardous special waste. The dangerousness of waste that partly contains this product must be assessed based on current legislative provisions.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations. Transport of waste may be subject to ADR.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transportation Information

14.1. UN number or ID number

ADR/RID, IMDG, 1993 IATA:

14.2. Official UN shipping name

ADR / RID:	FLAMMABLE LIQUID, NOS (hydrogenated heavy naphtha, 1-methoxy-2-propanol)
IMDG:	FLAMMABLE LIQUID, NOS (hydrogenated heavy naphtha, 1-methoxy-2-propanol)
IATA:	FLAMMABLE LIQUID, NOS (hydrogenated heavy naphtha, 1-methoxy-2-propanol)

14.3. Transport hazard classes

ADR / RID:	Class: 3	Label: 3	*
IMDG:	Class: 3	Label: 3	
IATA:	Class: 3	Label: 3	

14.4. Packing group

ADR/RID, IMDG, III IATA:

14.5. Dangers for the environment

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for users

ADR / RID:	HIN - Kemler: 30	Limited Quantities: 5 L	Tunnel restriction code: (D/E)
	Special Provision:-		· · · ·
IMDG:	EMS: F-E, <u>S-E</u>	Limited Quantities: 5 L	

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IATA:	Cargo:	Maximum quantity: 220 L	Packaging Instructions: 366
	Pass.:	Maximum quantity: 60 L	Packaging Instructions: 355
	Special Provision:	A3	
14.7. Maritime transport	in bulk in accordance with IMO acts		
Information not relevant			
SECTION 15. Re	egulatory information		
15.1. Health, safety ar	nd environmental laws and regulations specific to the su	bstance or mixture	
Seveso category - Directiv	ve 2012/18/EU: P5c		
Restrictions relating to the	e product or substances contained according to Annex XVII R	Regulation (EC) 1907/2006	
Product Point	3 - 40		
Substances contained			
Point	75		
Regulation (EU) 2019/114	18 - relating to the placing on the market and use of explosive	es precursors	
Not applicable			
Substances in Candidate	List (Art. 59 REACH)		
Based on available data, t	the product does not contain SVHC substances in percentag	es ≥ 0.1%.	
Substances subject to aut	thorization (Annex XIV REACH)		
None			
Substances subject to exp	port notification requirements Regulation (EU) 649/2012:		
None			
Substances subject to the	Rotterdam Convention:		
None			
Substances subject to the	Stockholm Convention:		
None			
Sanitary checks			

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Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out in accordance with the provisions of the art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

15.2. Chemical safety assessment

A chemical safety assessment has been developed for the following substances contained in the mixture: Dipropylene glycol monomethyl ether, 1-methoxy 2-propanol, C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclics, <2% aromatics, 2-butoxyethanol, Benzyl alcohol, Ethanolamine

SECTION 16. Other information

Text of the hazard statements (H) mentioned in sections 2-3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Wait. Tox. 1	Aspiration hazard, category 1
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
STOT IF 3	Specific target organ toxicity - single exposure, category 3
H226	Flammable liquid and vapour.
H331	Toxic if inhaled.
H302	Harmful if ingested.
H312	Harmful in contact with skin.
H304	It can be lethal if ingested and enters the respiratory tract.
H314	It causes serious skin burns and serious eye injuries.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May irritate the respiratory tract.
H336	May cause drowsiness or dizziness.

LEGEND:

- ADR: European Agreement for the transport of dangerous goods by road

- CAS: Chemical Abstract Service Number

- CE: Identification number in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for the Classification and Labeling of Chemical Products
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration

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PEL: Predictable level of exposure PNEC: Predictable no-effect concentration REACH: Regulation (EC) 1907/2006 RD: Regulations for the international transport of dangerous goods by train BTA: Acute Toxicity Estimate TV: Threshold limit value TV: Threshold limit value TV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.	
WA: Weighted average exposure limit WA STEL: Short-term exposure limit /OC: Volatile organic compound PvB: Very persistent and very bioaccumulating according to REACH VGK: Aquatic hazard class (Germany).	
ENERAL BIBLIOGRAPHY: Regulation (EC) 1907/2006 of the European Parliament (REACH) Regulation (EC) 1272/2008 of the European Parliament (CLP) Regulation (EU) 2020/878 (Annex II of the REACH Regulation) Regulation (EU) 2020/878 (Annex II of the REACH Regulation) Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP) Regulation (EU) 848/2012 of the European Parliament (III Atp. CLP) Regulation (EU) 487/2013 of the European Parliament (VI Atp. CLP) Regulation (EU) 944/2013 of the European Parliament (VI Atp. CLP) Regulation (EU) 9015/1221 of the European Parliament (VI Atp. CLP) Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP) Regulation (EU) 2016/1179 (IX Atp. CLP) Regulation (EU) 2016/1776 (X Atp. CLP) Regulation (EU) 2018/689 (XI Atp. CLP) Regulation (EU) 2019/521 (XII Atp. CLP) Regulation (EU) 2019/521 (XII Atp. CLP) Regulation (EU) 2019/521 (XII Atp. CLP) Delegated Regulation (EU) 2020/217 (XIV Atp. CLP) Delegated Regulation (EU) 2020/217 (XIV Atp. CLP) Delegated Regulation (EU) 2020/217 (XIV Atp. CLP) Delegated Regulation (EU) 2020/1182 (XV Atp. CLP) Delegated Regulation (EU) 2021/643 (XVI Atp. CLP) NB3 - Fiche Toxicologique (toxicological sheet) Parly - Industrial Hygiene and Toxicology I Sax - Dangerous properties of Industrial Materials-7, 1989 Edition FA GESTIS website CHA Agency website Database of SDS models of chemical substances - Ministry of Health and Istituto Superiore di Sanità	
ote for the user: the information contained in this sheet is based on the knowledge available to us at the date of the latest ve mpleteness of the information in relation to the specific use of the product. this document should not be interpreted as a guarantee of any specific property of the product. Ince the use of the product does not fall under our direct control, it is the user's obligation to observe the late d safety under his own responsibility. We do not assume responsibility for improper use. ovide adequate training to personnel assigned to the use of chemical products. ASSIFICATION CALCULATION METHODS nemical-physical hazards: The classification of the product was derived from the criteria established by the evaluation of the chemical-physical properties are reported in section 9. aatth hazards: Product classification is based on the calculation methods in Annex I of CLP Part 3, unless informental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3.	aws and regulations in force regarding hygiene CLP Regulation Annex I Part 2. The methods otherwise indicated in section 11.

Changes compared to the previous revision Changes have been made to the following sections: 03/11/16.