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	Safety Data Sheet ling to Annex II to REACH - Regulation 2015/830	
SECTION 1. Identification of the sub	stance/mixture and of the company/under	taking
<b>1.1. Product identifier</b> Code: Product name	411 00 00910-1851 IDROREP	
1.2. Relevant identified uses of the substance or n         Intended use       Waterproof for electr		
<b>1.3. Details of the supplier of the safety data sheet</b> Name Full address District and Country	Meccanocar Italia S.r.I. Via San Francesco, 22 56033 Capannoli (PI) Italy	
	Tel. +39 0587 609433	
	Fax +39 0587 607145	
e-mail address of the competent person		
responsible for the Safety Data Sheet	moreno.meini@meccanocar.it	
<b>1.4. Emergency telephone number</b> For urgent inquiries refer to	National Poisons Information Service: +44 121 507 4123	
SECTION 2. Hazards identification		

# 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:		
Aerosol, category 1	H222 H229	Extremely flammable aerosol. Pressurised container: may burst if heated.
Serious eye damage, category 1 Skin sensitization, category 1 Specific target organ toxicity - single exposure, category 3 Hazardous to the aquatic environment, chronic toxicity, category 3	H318 H317 H336 H412	Causes serious eye damage. May cause an allergic skin reaction. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

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Hazard pictograms:						
		!>				
Signal words:	Danger					
Hazard statements:						
H222	Extremely flamm					
H229 H318	Pressurised cont Causes serious					
H317	May cause an al	lergic skin re	eaction.			
H336 H412	May cause drow	siness or diz	zziness. ong lasting effects.			
EUH066			ise skin dryness o			
Precautionary statements	3:					
P210	Keep away from	heat, hot su	ırfaces, sparks, op	en flames and other ig	nition sources. No	smoking.
P251	Do not pierce or	burn, even a	after use.			5
P410+P412 P211			ne or other ignitior	atures exceeding 50°C n source.	,/122°F.	
P331	Do NOT induce	omiting.				
P305+P351+P338	IF IN EYES: RIN rinsing.	se cautiously	y with water for se	veral minutes. Remove	e contact lenses, if p	present and easy to do. Continue
Contains:			, N-ALCANS, ISO RIDECYL ETHER	ALKANS, CYCLES, <2	2% AROMATIC	
	(R)-P-MENTHA-					
	ORANGE TERP					
	010.002.1200					
2.3. Other hazards						
On the basis of available	data, the product do	es not contai	iin any PBT or vPv	B in percentage great	er than 0,1%.	
SECTION 3. Con	mposition/info	rmation	on ingredier	nts		
3.2. Mixtures						
Contains:						
Identification	x = 0	Conc. %	Classification	1272/2008 (CLP)		
HYDROCARBONS, C9						
ALCANS, ISOALKANS, <a></a> <2% AROMATIC	, CYCLES,					
CAS 64742-48-9	45 ≤	x < 47,5	Flam. Liq. 3 H	226, Asp. Tox. 1 H304	, STOT SE 3 H336,	EUH066
EC 919-857-5						
INDEX -						

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Reg. no. 01-2119463258-33-XXXX			
BUTANE			
CAS 106-97-8	$22,5 \le x < 24$	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classific	ation note according to
EC 203-448-7		Annex VI to the CLP Regulation: C U	
INDEX 601-004-00-0			
Reg. no. 01-2119474691-32-XXXX			
PROPANE			
CAS 74-98-6	8 ≤ x < 9	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classific Annex VI to the CLP Regulation: U	ation note according to
EC 200-827-9		Annex VI to the CLF Regulation. O	
INDEX 601-003-00-5			
Reg. no. 01-2119486944-21-XXXX			
1-METHOXY-2-PROPANOL			
CAS 107-98-2	8≤x< 9	Flam. Liq. 3 H226, STOT SE 3 H336	
EC 203-539-1			
INDEX 603-064-00-3			
Reg. no. 01-2119457435-35-XXXX			
ISOBUTANE			
CAS 75-28-5	8 ≤ x < 9	Flam. Gas 1A H220, Press. Gas H280	
EC 200-857-2			
INDEX 601-004-00-0			
Reg. no. 01-2119485395-27-XXXX			
(R)-P-MENTHA-1,8-DIENE			
CAS 5989-27-5	2 ≤ x < 2,5	Flam. Liq. 3 H226, Skin Irrit. 2 H315, Skin Sens. 1 H3 H410 M=1, Classification note according to Annex VI t C	17, Aquatic Chronic 1 to the CLP Regulation:
EC 227-813-5			
INDEX 601-029-00-7			
Reg. no. 01-2119529223-47-XXXX			
ORANGE TERPENS			
CAS 8028-48-6	2 ≤ x < 2,5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H31 Aquatic Chronic 2 H411	5, Skin Sens. 1 H317,
EC 232-433-8			
INDEX -			
Reg. no. 01-2119493353-35-XXXX			
POLYOXYETHYLENE 10 TRIDECYL ETHER CAS 24938-91-8	2≤x< 2,5	Acute Tox. 4 H302, Eye Dam. 1 H318	
EC			

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 39,00 %

**SECTION 4. First aid measures** 

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#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

## **SECTION 5. Firefighting measures**

#### 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

## 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6.** Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

## 6.2. Environmental precautions

Do not disperse in the environment.

## 6.3. Methods and material for containment and cleaning up

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Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

# **SECTION 7. Handling and storage**

#### 7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

## 7.3. Specific end use(s)

Information not available

## **SECTION 8. Exposure controls/personal protection**

#### 8.1. Control parameters

Regulatory References:

ESP	España	LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019 (INSST)
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Third edition.published 2018)
ITA	Italia	DIRETTIVA (UE) 2017/164 DELLA COMMISSIONE del 31 gennaio 2017
NOR	Norge	Fastsatt av Arbeids- og sosialdepartementet 21. august 2018 med hjemmel i lov 17. juni 2005 nr. 62 om
		arbeidsmiljø, arbeidstid, stillingsvern mv. (arbeidsmiljøloven) § 1-3, § 1-4 og § 4-5
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos
		trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diário da República, 1.ª série - N.º 111 - 11 de junho de 2018
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive
		2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2019

Туре	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP		1000			Gases
VLEP	FRA	1900	800			
WEL	GBR	1450	600	1810	750	
TLV	NOR	600	250			

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# 1-METHOXY-2-PROPANOL

Гуре	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm	0200110410110		
/LA	ESP	375	100	568	150	SKIN		
VLEP	FRA	188	50	375	10	SKIN		
WEL	GBR	375	100	560	150	SKIN		
VLEP	ITA	375	100	568	150	SKIN		
TLV	NOR	180	50			SKIN		
VLE	PRT	375	100	568	150			
OEL	EU	375	100	568	150	SKIN		
TLV-ACGIH		184	50	368	100			
Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				10	mg/	1		
Normal value in marine wate	er			1	mg/	1		
Normal value for fresh wate	r sediment			52,3	mg/	kg		
Normal value for marine wa	ter sediment			5,2	mg/	kg		
Normal value of STP microc	organisms			100	mg/	1		
Normal value for the terrest	rial compartment			4,59	mg/	kg		
Health - Derived no-eff	Effects on	DMEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local		Chronic local	Chronic
Oral				systemic 33 mg/kg		systemic		systemic
Inhalation				bw/d 78 mg/m3	553,5 mg/m3	553,5 mg/m3		369 mg/m3
				-	,g,	, <u>.</u> ,		183 mg/kg
Skin				43,9 mg/kg				103 1110/KQ
Skin				43,9 mg/kg bw/d				bw/d
PROPANE Threshold Limit Value				bw/d				
PROPANE Threshold Limit Value	Country	TWA/8h				Remarks / Observations		
PROPANE Threshold Limit Value	Country	TWA/8h mg/m3	ppm	bw/d	ppm	Remarks / Observations		
Skin PROPANE Threshold Limit Value Type VLA	Country ESP		ppm 1000	bw/d STEL/15min	ppm			
PROPANE Threshold Limit Value Type VLA				bw/d STEL/15min	ppm			
PROPANE Threshold Limit Value Type	ESP	mg/m3	1000	bw/d STEL/15min	ppm			
PROPANE Threshold Limit Value Type VLA TLV	ESP	mg/m3	1000 500	bw/d STEL/15min	ppm			
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS	ESP NOR	mg/m3	1000 500	bw/d STEL/15min	ppm			
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS Predicted no-effect concent	ESP NOR ration - PNEC	mg/m3	1000 500	bw/d STEL/15min mg/m3		Observations		
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS Predicted no-effect concent Normal value in fresh water	ESP NOR	mg/m3	1000 500	bw/d STEL/15min mg/m3 0,54	mg/	Observations		
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS Predicted no-effect concent Normal value in fresh water Normal value in marine wate	ESP NOR ration - PNEC	mg/m3	1000 500	bw/d STEL/15min mg/m3 0,54 0,054	mg/ mg/	Observations		
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS Predicted no-effect concent Normal value in fresh water Normal value for fresh wate	ESP NOR ration - PNEC er r sediment	mg/m3	1000 500	bw/d STEL/15min mg/m3 0,54 0,054 1,3	mg/ mg/	Observations I kg		
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS Predicted no-effect concent Normal value in fresh water Normal value in marine wate Normal value for fresh wate	ESP NOR ration - PNEC er r sediment ter sediment	mg/m3	1000 500	bw/d STEL/15min mg/m3 0,54 0,054 1,3 0,13	mg/ mg/ mg/ mg/	Observations I kg		
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS Predicted no-effect concent Normal value in fresh water Normal value in marine wate Normal value for fresh wate Normal value for marine wate Normal value for STP microce	ESP NOR ration - PNEC er r sediment ter sediment organisms	mg/m3	1000 500	bw/d STEL/15min mg/m3 0,54 0,054 1,3 0,13 2,1	mg/ mg/ mg/ mg/ mg/ mg/	Observations Observations		
PROPANE Threshold Limit Value Type VLA TLV TLV-ACGIH ORANGE TERPENS Predicted no-effect concent Normal value in fresh water Normal value for fresh wate Normal value for fresh wate Normal value for marine wat Normal value for marine wat Normal value for marine wat Normal value of STP microc	ESP NOR ration - PNEC er r sediment ter sediment organisms rial compartment	mg/m3	1000 500	bw/d STEL/15min mg/m3 0,54 0,054 1,3 0,13	mg/ mg/ mg/ mg/	Observations Observations		
PROPANE Threshold Limit Value Type VLA TLV	ESP NOR ration - PNEC er r sediment ter sediment organisms rial compartment	mg/m3	1000 500	bw/d STEL/15min mg/m3 0,54 0,054 1,3 0,13 2,1	mg/ mg/ mg/ mg/ mg/ mg/	Observations Observations		

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Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral				systemic 4,44 mg/kg		systemic		systemic
				bw/d				
Inhalation				7,78 mg/m3				31,1 mg/m3
Skin			9,29 mg/kg bw/d	4,44 mg/kg bw/d			18,58 mg/kg bw/d	8,89 mg/kg bw/d
(R)-P-MENTHA-1,8-DIEN Threshold Limit Value	IE							
Туре	Country	TWA/8h		STEL/15min		Remarks Observat		
		mg/m3	ppm	mg/m3	ppm			
VLA	ESP	168	30			SKIN		
TLV	NOR	140	25					
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				1,4	mç	g/l		
Normal value in marine wate	r			1,4	mç	g/l		
Normal value for fresh water	sediment			3,85	mç	g/kg		
Normal value for marine wate	er sediment			0,385	mį	g/kg		
Normal value of STP microor	ganisms			1,8	mç	g/l		
Normal value for the food cha	ain (secondary poisor	iing)		133	mç	g/kg		
Normal value for the terrestri	al compartment			0,763	mį	g/kg		
Health - Derived no-effe	ect level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				4,8 mg/kg bw/d				
Inhalation				16,6 mg/m3				66,7 mg/m3
Skin				4,8 mg/kg bw/d				9,5 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

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

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION None required.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

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## EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Chemical resistant gloves are recommended. Nitrile, standards CEN EN 420 and EN 374 provide general requirements and lists of types of gloves.

ISOBUTANE

Suitable glove material protective gloves, e.g. nitrile butadiene rubber gloves (NBR), leather gloves, heat insulating

Selection of protective gloves to meet specific workplace requirements.

Suitability for specific workplaces must be clarified with the manufacturers of protective gloves.

The information is based on our tests, references from literature and information from glove manufacturers or derived by analogy with similar materials. Remember that the useful time per day of a chemical protection glove can be much shorter than the breakthrough time determined according to EN 374 due to the numerous influencing factors involved.

1-METHOXY-2-PROPANOL

Use chemical resistant gloves classified according to EN374: protective gloves against chemicals and microorganisms. Examples of preferred barrier material for gloves include: Butyl rubber. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable barrier materials for gloves include: Natural rubber ("latex"). Neoprene. Nitrile / butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. In case of prolonged or frequently repeated contact, a glove with a protection class of 5 or higher is recommended (breakthrough time greater than 240 minutes according to EN 374). When only brief contact is expected, a glove with a protection class of 1 or more is recommended (breakthrough time greater than 10 minutes according to EN 374). NOTICE: selection of a specific glove for a particular application and duration of use in a work environment should also take into account all relevant factors in the workplace such as, but not limited to: Other chemicals that can be handled , physical requirements (cut / puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as instructions / specifications provided by the glove supplier.

ORANGE TERPENS

Hand protection:

Preventive skin protection through the use of protective agents is recommended.

Protective gloves

The glove material must be impermeable and resistant to the product / the substance / the preparation.

Selection of glove material in consideration of breakthrough times, diffusion rates and degradation

Glove material:

The choice of suitable gloves depends not only on the material, but also on additional quality brands and varies from manufacturer to manufacturer. Penetration time of glove material> 480 minutes at a layer thickness of 0.425 mm (Sol-Vex 37-695 / Ansell).

The exact breakthrough time must be found out by the manufacturer of the protective gloves and must be respected.

For permanent contact gloves made of the following materials are suitable: nitrile rubber, NBR

For example. next product: Ansell's Sol-Vex (37-695).

As protection from splashes, gloves made of the following materials are suitable: Nitrile rubber, NBR

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(R) -P-MENTHA-1,8-DIENE

Chemical resistant protective gloves (standard EN 374-1).

# **SECTION 9.** Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	aerosol
Colour	colourless
Odour	characteristic
Odour threshold	Not available
рН	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	< 0 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	0,725
Solubility	insoluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

#### 9.2. Other information

VOC (Directive 2010/75/EC) :

41,76 % - 302,79 g/litre

# **SECTION 10. Stability and reactivity**

## 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

1-METHOXY-2-PROPANOL

Dissolves various plastic materials.Stable in normal conditions of use and storage.

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Absorbs and disolves in water and in organic solvents. With air it may slowly form explosive peroxides.

## 10.2. Chemical stability

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

## 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

## BUTANE

Vapors can form an explosive mixture with air.

## ISOBUTANE

Vapors can form an explosive mixture with air.

## 1-METHOXY-2-PROPANOL

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

## ORANGE TERPENS

Possible formation of explosive gas mixture with air. In the event of unfavorable storage conditions (introduction of air, accumulation of heat), self-ignition is possible for moistened solids (eg cloth, pulp, filter panel, binder). Reacts violently with oxidizing agents.

10.4. Conditions to avoid

Avoid overheating.

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Avoid heat, sparks, open flames and other sources of ignition.

## BUTANE

Avoid heat and sources of ignition.

## ISOBUTANE

Keep away from heat and other causes of fire.

1-METHOXY-2-PROPANOL

Avoid exposure to: air.

Do not distill to dryness. The product can oxidize at high temperatures. The generation of gas during decomposition can cause pressure in closed systems.

ORANGE TERPENS

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Heating causes vaporization and the formation of a flammable atmosphere is possible.	
(R) -P-MENTHA-1,8-DIENE	
Prolonged or excessive heat and / or exposure to air can cause non-hazardous decomposition and / or Keep away from heat and other causes of fire.	r oxidation of the substance.
10.5. Incompatible materials	
Strong reducing or oxidising agents, strong acids or alkalis, hot material.	
HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC	
Strong oxidants	
BUTANE	
Strong oxidizing agents, chlorine, oxygen.	
SOBUTANE	
Strong oxidizing agents, chlorine, oxygen.	
1-METHOXY-2-PROPANOL	
ncompatible with: oxidising substances, strong acids, alkaline metals.	
Avoid contact with: strong acids. Strong bases. Strong oxidants.	
R) -P-MENTHA-1,8-DIENE	
Avoid contact with strong acids and strong oxidizing agents.	
10.6. Hazardous decomposition products	
BUTANE	
n case of fire or production of thermal decomposition, for example, carbon monoxide, carbon dioxide (	(CO2).
SOBUTANE	
n case of fire or production of thermal decomposition, for example, carbon monoxide, carbon dioxide (	(CO2).
1-METHOXY-2-PROPANOL	
Decomposition products depend on temperature, air supply and the presence of other materials. Deco	omposition products can include and are not limit

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to: Aldehydes. Ketones. Organic acids.

## **SECTION 11. Toxicological information**

#### 11.1. Information on toxicological effects

Metabolism, toxicokinetics, 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.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

## 1-METHOXY-2-PROPANOL

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product. Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported.

#### Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component) LD50 (Oral) of the mixture: >2000 mg/kg LD50 (Dermal) of the mixture: Not classified (no significant component)

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Method: OECD 423 Reliability: 2 Species: Rat (Wistar; male / female) Route of exposure: Oral Results: LD50> 15 000 mg / kg bw Method: Equivalent or similar to OECD 403 Reliability: 1 Species: Rat (Crj: CD (SD); male / female) Route of exposure: Inhalation (vapors) Results: LC50> 4 951 mg / m<sup>3</sup> air Method: Equivalent or similar to OECD 402 Reliability: 2 Species: Rabbit (New Zealand White; male / female)

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Route of exposure: Dermal Results: LD50> 5 000 mg / kg bw

#### BUTANE

Method: Not indicated Reliability: 2 Species: Rat (Alderley Park (SPF); male / female) Route of exposure: Inhalation Results: LC50: 1 443 mg / L air

## 1-METHOXY-2-PROPANOL

Method: EU Method B.1 Reliability: 1 Species: Rat (Fischer 344; male / female) Route of exposure: Oral Results: LD50 = 3739 mg / kg bw Method: Equivalent or similar to OECD 403 Reliability: 1 Species: Rat (Fischer 344; male / female) Route of exposure: Inhalation (vapors) Results: Not classified Method: Equivalent or similar to EU Method B.3 Reliability: 1 Species: Rat (Fischer 344; male / female) Route of exposure: Dermal Results: LD50> 2000 mg / kg bw

PROPANE

Method: To study the concentrations at which the effects of the CNS occur following exposure by inhalation to propane by measuring LC50 (15 min) and EC50 (CNS) (10 min) in rats. Reliability: 2 Species: Rat (Alderley Park (SPF); male / female) Route of exposure: Inhalation Results: LC50> 800 000 ppm

#### ORANGE TERPENS

Method: Equivalent or similar to OECD 401 Reliability: 1 Species: Rat (Wistar; male) Route of exposure: Oral Results: LD50> 5 000 mg / kg bw Method: Equivalent or similar to OECD 402 Reliability: 2 Species: Rabbit (New Zealand White; female) Route of exposure: Dermal Results: LD50> 5 000 mg / kg bw

## (R) -P-MENTHA-1,8-DIENE

Method: OECD 423 Reliability: 1 Species: Rat (Sprague-Dawley; female) Route of exposure: Oral Results: LD50> 2000 mg / kg bw

## SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

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Method: Equivalent or similar to OECD 404 Reliability: 1 Species: Rabbit (New Zealand White) Route of exposure: Dermal Results: Irritating

1-METHOXY-2-PROPANOL

Method: Equivalent or similar to EU Method B.4 Reliability: 1 Species: Rabbit (New Zealand White) Route of exposure: Dermal Results: Not irritating

(R) -P-MENTHA-1,8-DIENE

Method: OECD 404 Reliability: 2 Species: Rabbit (albino) Route of exposure: Dermal Results: Not irritating

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Method: OECD 405 Reliability: 1 Species: Rabbit (New Zealand White) Route of exposure: Ocular Results: Not irritating

1-METHOXY-2-PROPANOL

Method: Equivalent or similar to EU Method B.5 Reliability: 1 Species: Rabbit (New Zealand White) Route of exposure: Ocular Results: Not irritating

(R) -P-MENTHA-1,8-DIENE

Method: OECD 405 Reliability: 2 Species: Rabbit (New Zealand White) Route of exposure: Ocular Results: Not irritating

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

1-METHOXY-2-PROPANOL

Method: Equivalent or similar to EU Method B.6 Reliability: 1 Species: guinea pig (male / female) Route of exposure: Dermal Results: Not sensitizing

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## (R) -P-MENTHA-1,8-DIENE

Method: OECD 429 Reliability: 2 Species: Mouse (CBA / Ca; female) Route of exposure: Dermal Results: Sensitizers

Skin sensitization HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Method: OECD 406 Reliability: 2 Species: guinea pig (Hartley; female) Route of exposure: Dermal Results: Not sensitizing

ORANGE TERPENS

Method: OECD Guideline 429 Reliability: 2 Species: Mouse (CBA / Ca; female) Route of exposure: Dermal Results: Sensitizer category 1

## GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Method: OECD 471 in vitro test Reliability: 1 Species: S. typhimurium Results: Negative with or without metabolic activation Method: Equivalent or similar to OECD 474 in vivo test Reliability: 1 Species: Mouse (CD-1; male / female) Route of exposure: Oral Results: Negative

## BUTANE

Method: OECD 471 in vitro test Reliability: 1 Species: Salmonella strains, S. typhimurium Results: Negative without metabolic activation Method: OECD 474-test in vivo Reliability: 1 Species: Rat (Sprague-Dawley CD; male / female) Route of exposure: Inhalation (gas) Results: Negative

1-METHOXY-2-PROPANOL

Method: Equivalent or similar to OECD 471 in vitro test Reliability: 1 Species: S. typhimurium Results: Negative with and without metabolic activation Method: Equivalent or similar to OECD 474 in vivo test Reliability: 2 Species: Mouse (CD-1; male / female)

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Route of exposure: Intraperitoneal Results: Negative

PROPANE

Method: OECD 471 in vitro test Reliability: 1 Species: Histidine Salmonella Results: Negative with or without metabolic activation Method: OECD 474-test in vivo Reliability: 1 Species: Rat (Sprague-Dawley CD; male / female) Route of exposure: Inhalation (gas) Results: Negative

ORANGE TERPENS

Method: OECD Guideline 471-in vitro test Reliability: 1 Species: S. typhimurium, E. Coli Results: Negative with or without metabolic activation

(R) -P-MENTHA-1,8-DIENE

Method: OECD 471 in vitro test Reliability: 1 Species: S. typhimurium Results: Negative with and without metabolic activation Bibliographic reference: Method: Comet assay (Tice et al., 2000) - in vivo test Reliability: 2 Species: Rat (OFA Sprague-Dawley; male) Route of exposure: Oral Results: Negative

carcinogenicity

Does not meet the classification criteria for this hazard class

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Method: Equivalent or similar to OECD 453 Reliability: 1 Species: Rat (F344 / N; male / female) Route of exposure: Inhalation (vapors) Results: NOAEC 138 mg / m<sup>3</sup> air

1-METHOXY-2-PROPANOL

Method: OECD 453 Reliability: 1 Species: Rat (Fischer 344; male / female) Route of exposure: Inhalation (vapors) Results: Negative

ORANGE TERPENS

Method: Equivalent or similar to OECD 452 Reliability: 2 Species: Mouse (B6C3F1; male / female) Route of exposure: Oral Results: LD50> = 250 - <= 500 mg / kg bw / day

(R) -P-MENTHA-1,8-DIENE

Method: Equivalent or similar to OECD 451

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Reliability: 2 Species: Mouse (B6C3F1; male / female) Route of exposure: Oral Results: Negative

## REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

BUTANE

Method: OECD 413 Reliability: 1 Species: Rat (Sprague-Dawley CD; male / female) Route of exposure: Inhalation Results: NOAEC 10000 ppm

Adverse effects on sexual function and fertility HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Method: OECD TG 413 Reliability: 1 Species: Rat (Fischer 344; male / female) Route of exposure: Inhalation (vapors) Results: NOAEC> = 400 ppm

1-METHOXY-2-PROPANOL

Method: OECD 416 Reliability: 1 Species: Rat (Sprague-Dawley; male / female) Route of exposure: Inhalation (vapors) Results: Negative, NOAEL (fertility) = 300 ppm

PROPANE

Method: OECD 413 Reliability: 1 Species: Rat (Sprague-Dawley CD; male / female) Route of exposure: Inhalation Results: NOAEC (fertility) 10 000 ppm

(R) -P-MENTHA-1,8-DIENE

Method: Equivalent or similar to OECD 408 Reliability: 2 Species: Mouse (B6C3F1; male / female) Route of exposure: Oral Results: Negative. NOAEL (fertility) = 500 mg / kg bw / day.

Adverse effects on development of the offspring 1-METHOXY-2-PROPANOL

Method: Equivalent or similar to OECD 414 Reliability: 1 Species: Rabbit (New Zealand White) Route of exposure: Inhalation Results: Negative, NOAEL (development) = 3000 ppm

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## PROPANE

Method: EPA OPPTS 870.3700 Reliability: 1 Species: Rat (VAF / Plus®, Sprague-Dawley Derived (CD®) Crl: CD® IGS BR) Route of exposure: Inhalation (gas) Results: NOAEC (development) 10 426 ppm

## STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Based on available data and through expert judgment, the substance is classified in the target organ toxicity class for single exposure.

## BUTANE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

#### ISOBUTANE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

1-METHOXY-2-PROPANOL

Based on available data and through expert judgment, the substance is classified in the target organ toxicity class for single exposure.

## PROPANE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

## ORANGE TERPENS

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

## (R) -P-MENTHA-1,8-DIENE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

Target organ 1-METHOXY-2-PROPANOL

Central nervous system

Route of exposure HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

Dermal and inhalation

1-METHOXY-2-PROPANOL

inhalation

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

HYDROCARBONS, C9-C11, N-ALCANS, ISOALKANS, CYCLES, <2% AROMATIC

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Method: Equivalent or similar to OECD 422 Reliability: 1 Species: Rat (Sprague-Dawley; male / female) Route of exposure: Oral Results: NOAEL> = 1000 mg / kg / day Method: Equivalent or similar to OECD 413 Reliability: 1 Species: Rat (Albino; male / female) Route of exposure: Inhalation (vapors) Results: NOAEC 10186 mg / m3

## BUTANE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

## ISOBUTANE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

1-METHOXY-2-PROPANOL

Method: OECD 453 Reliability: 1 Species: Rat (Fischer 344; male / female) Route of exposure: Inhalation (vapors) Results: Negative, NOAEL = 300 ppm Method: Equivalent or similar to OECD 410 Reliability: 1 Species: Rabbit (New Zealand White; male / female) Route of exposure: Dermal Results: Negative, NOAEL> 1000 mg / kg bw / day

## PROPANE

Method: OECD 422 Reliability: 1 Species: Rat (Sprague-Dawley; male / female) Route of exposure: Inhalation (gas) Results: NOAEC 16 000 ppm

## TERPENI D'ARANCIO

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

## (R) -P-MENTHA-1,8-DIENE

Method: Equivalent or similar to OECD 409 Reliability: 2 Species: Dog (Beagle; male / female) Route of exposure: Oral Results: Negative. NOAEL = 100 mg / kg bw / day

## ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

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his product is dangerous for the environment and a <b>2.1. Toxicity</b>	the aquatic organisms. In the long term, it have negative	effects on aquatic environment.
(R)-P-MENTHA-1,8-DIENE		
LC50 - for Fish	35 mg/l/96h Oncorhynchus mykiss	
EC50 - for Crustacea	69,6 mg/l/48h Daphnia pulex	
1-METHOXY-2-PROPANOL		
LC50 - for Fish	6812 mg/l/96h	
EC50 - for Crustacea	23300 mg/l/48h	
TERPENI D'ARANCIO		
EC50 - for Crustacea	16 mg/l/48h	
EC50 - for Algae / Aquatic Plants	15 mg/l/72h	
2.2. Persistence and degradability		
BUTANE Quickly degradable in water. I-METHOXY-2-PROPANOL Easily degradable in water, 4% in 28 days. IERPENI D'ARANCIO Rapidly biodegradable, 72% in 14 days. R) -P-MENTHA-1,8-DIENE Rapidly degradable in water, 71.4% in 28 days.		
BUTANE		
Solubility in water	0,1 - 100 mg/l	
Rapidly degradable		
(R)-P-MENTHA-1,8-DIENE		
Solubility in water	0,1 - 100 mg/l	
Rapidly degradable		
PROPANE		
Solubility in water	0,1 - 100 mg/l	
Rapidly degradable		
1-METHOXY-2-PROPANOL		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable 2.3. Bioaccumulative potential		
BUTANE		
Partition coefficient: n-octanol/water	1,09	
Partition coefficient: n-octanol/water	1,09	

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(R)-P-MENTHA-1,8-DIENE	
Partition coefficient: n-octanol/water	4,38
BCF	1022
PROPANE	
Partition coefficient: n-octanol/water	1,09
1-METHOXY-2-PROPANOL	
Partition coefficient: n-octanol/water	< 1
10.4 Mahilitu in anil	

# 12.4. Mobility in soil

Information not available

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects

Information not available

## **SECTION 13. Disposal considerations**

#### 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

#### BUTANE

No waste key number according to the European list of waste types can be assigned to this product, since this classification is based on the use (not yet determined) for which the product is intended for the consumer.

The key number for the waste must be determined according to the European waste type list (decision on the EU waste type list 2000/532 / EC) in collaboration with the disposal company / producer / authority Official.

#### ISOBUTANE

Compliance with local regulations, e.g. incineration through flaring system.

No waste key number according to the European list of waste types can be assigned to this product, since this classification is based on the use (not yet determined) for which the product is intended for the consumer.

The key number for the waste must be determined according to the European waste type list (decision on the EU waste type list 2000/532 / EC) in collaboration with the disposal company / producer / authority Official.

#### 1-METHOXY-2-PROPANOL

This product, when disposed of in its unused and uncontaminated state, must be treated as a hazardous waste according to EC Directive 91/689 / EEC. Disposal practices must comply with all national and provincial laws and local or local laws governing hazardous waste. Further evaluation may be required for used, contaminated and residual materials. Do not discharge into sewers, onto the ground or into any body of water.

#### ORANGE TERPENS

Recycling is preferable to disposal or burning. Disposal must be carried out according to official regulations. They must not be disposed of with household

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waste. Do not allow the product to reach the sewage system. European waste catalog: e.g. 02 03 03 wastes from solvent extraction. Uncleaned packaging:

Recommendation: empty contaminated packaging carefully. They can be recycled after careful and correct cleaning. Packaging that cannot be cleaned is disposed of in the same way as the product. Contaminated solids:

Recommendation: wet solids (eg cloth, pulp, filter panels, binder) can be burned after consulting the operator of the waste disposal facility and the competent authorities and adhering to the necessary technical standards. European waste catalog: e.g. 15 02 02 Filtering and absorption materials contaminated by dangerous agents.

#### (R) -P-MENTHA-1,8-DIENE

After a preliminary treatment, the product can be disposed of in a special waste incinerator in accordance with the rules relating to the disposal of special waste. Disposal must be carried out in accordance with local and national regulations.

# **SECTION 14. Transport information**

## 14.1. UN number

ADR / RID, IMDG, 1950 IATA:

#### 14.2. UN proper shipping name

ADR / RID:	AEROSOLS
IMDG:	AEROSOLS
IATA:	AEROSOLS, FLAMMABLE

#### 14.3. Transport hazard class(es)

ADR / RID:	Class: 2	Label: 2.1
IMDG:	Class: 2	Label: 2.1
IATA:	Class: 2	Label: 2.1

-



## 14.4. Packing group

ADR / RID, IMDG, IATA:

#### 14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

#### 14.6. Special precautions for user

ADR / RID:

HIN - Kemler: --

Special Provision: -

Limited Quantities: 1 L Tunnel restriction code: (D)

IATA: Cargo: Qu IATA: Cargo: Ma qu Kg Pass.: Ma qu Kg	
IMDG:       EMS: F-D, S-U       Lin         IATA:       Cargo:       Ma         Pass:       Pass:       Ma         Pass:       Special Instructions:       A3         A14.7. Transport in bulk according to Annex II of Marpol and the IBC Code       A4         Information not relevant       SECTION 15. Regulatory information       A3         15.1. Safety, health and environmental regulations/legislation specific for the substance or mixe       Seveso Category - Directive 2012/18/EC: P3a         Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19       Paduet         Point       40         Substances in Candidate List (Art. 59 REACH)       Do         Do the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%         Substances subject to authorisation (Annex XIV REACH)         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Stockholm Convention:         None         Substances subject to the Stockholm Convention:         None         Substances subject to the Stockholm Convention:	Replaced revision:1 (Dated: 13/03/2019) nited antities: 1 ximum antity: 150 Packaging instructions: 203
IATA:       Cargo:       Mag         Pass::       Pass::       Mag         Special Instructions:       Ad         At.1. Transport in bulk according to Annex II of Marpol and the IBC Code       Ad         Information not relevant       SECTION 15. Regulatory information       Ad         Seveso Category - Directive 2012/18/EC: P3a       Settictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19         Product       Point       40         Substances in Candidate List (Art. 59 REACH)       On the basis of available data, the product does not contain any SVHC in percentage greater than 0.1%         Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012;       None         Substances subject to the Rotterdam Convention:       None         Substances subject to the Stockholm Convention:       None         Substances subject to the Stockholm Convention:       None         Substances subject to the Stockholm Convention:       None         Subst	nited antities: 1 ximum Packaging antity: 150 instructions: 203
IATA:       Cargo:       Mag         Pass::       Pass::       Mag         Special Instructions:       Ad         At4.7. Transport in bulk according to Annex II of Marpol and the IBC Code       Ad         Information not relevant       SECTION 15. Regulatory information       Ad         Section 15. Regulatory information       Its After the product or contained substances pursuant to Annex XVII to EC Regulation 19         Seveso Category - Directive 2012/18/EC: P3a       Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19         Product       40       Substances in Candidate List (Art. 59 REACH)       On the basis of available data, the product does not contain any SVHC in percentage greater than 0.1%         Substances subject to authorisation (Annex XIV REACH)       None       None         Substances subject to the Rotterdam Convention:       None       None         Substances subject to the Rotterdam Convention:       None       None         Substances subject to the Rotterdam Convention:       None       None         Substances subject to the Stockholm Convention:       None       None         Substances subject to the Stockholm Convention:       None       None         Substances subject to the Stockholm Convention:       None       None	antities: 1 ximum Packaging antity: 150 instructions: 203
Pass: An Antipage Pass Pass Pass Pass Pass Pass Pass Pas	antity: 150 instructions: 203
Pass::       Maguar         Special Instructions:       A1         A8       A1         A1       A1         Sections relation not relevant       A1         Substances in Candidate List (Art. 59 REACH)       A1         On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%         Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: </td <td></td>	
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code         Information not relevant         SECTION 15. Regulatory information         15.1. Safety, health and environmental regulations/legislation specific for the substance or mixtl         Seveso Category - Directive 2012/18/EC: P3a         Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 13         Product Point       40         Substances in Candidate List (Art. 59 REACH)         On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%         Substances subject to authorisation (Annex XIV REACH)         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Rotterdam Convention:         None	ximum Packaging antity: 75 instructions: 203
Information not relevant SECTION 15. Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixel Seveso Category - Directive 2012/18/EC: P3a Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19 Product Point 40 Substances in Candidate List (Art. 59 REACH) On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1% Substances subject to authorisation (Annex XIV REACH) None Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None Substances subject to the Stockholm Convention:	45, A167, 02
SECTION 15. Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixed Seveso Category - Directive 2012/18/EC: P3a Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19 Product Point 40 Substances in Candidate List (Art. 59 REACH) On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1% Substances subject to authorisation (Annex XIV REACH) None Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None	
<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixed</b> Seveso Category - Directive 2012/18/EC: P3a         Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19         Product Point       40         Substances in Candidate List (Art. 59 REACH)         On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%         Substances subject to authorisation (Annex XIV REACH)         None         Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012;         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Stockholm Convention:         None	
Seveso Category - Directive 2012/18/EC: P3a Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19 Product Point 40 Substances in Candidate List (Art. 59 REACH) On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1% Substances subject to authorisation (Annex XIV REACH) None Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None	
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 19         Product Point       40         Substances in Candidate List (Art. 59 REACH)         On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%         Substances subject to authorisation (Annex XIV REACH)         None         Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Stockholm Convention:	ure
Product Point       40         Substances in Candidate List (Art. 59 REACH)         On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%         Substances subject to authorisation (Annex XIV REACH)         None         Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Stockholm Convention:	
Point       40         Substances in Candidate List (Art. 59 REACH)         On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%         Substances subject to authorisation (Annex XIV REACH)         None         Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Rotterdam Convention:         None         Substances subject to the Stockholm Convention:	<u>07/2006</u>
On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1% Substances subject to authorisation (Annex XIV REACH) None Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None	
Substances subject to authorisation (Annex XIV REACH) None Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None	
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Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None	
None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None	
Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None	
None Substances subject to the Stockholm Convention: None	
Substances subject to the Stockholm Convention: None	
None	
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-aw workers' health and safety are modest and that the 98/24/EC directive is respected.	
15.2. Chemical safety assessment	ssessment data prove that the risks related to the

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A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

# **SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Gas 1A	Flammable gas, category 1A
Aerosol 1	Aerosol, category 1
Aerosol 3	Aerosol, category 3
Flam. Liq. 3	Flammable liquid, category 3
Press. Gas (Liq.)	Liquefied gas
Press. Gas	Pressurised gas
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road

CAS NUMBER: Chemical Abstract Service Number

• CE50: Effective concentration (required to induce a 50% effect) • CE NUMBER: Identifier in ESIS (European archive of existing substances)

CLP: EC Regulation 1272/2008

DNEL: Derived No Effect Level EmS: Emergency Schedule

GHS: Globally Harmonized System of classification and labeling of chemicals

IATA DGR: International Air Transport Association Dangerous Goods Regulation

IC50: Immobilization Concentration 50%

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	Replaced revision:1 (Dated: 13/03/2019)
<ul> <li>IMDG: International Maritime Code for dangerous goods</li> <li>IMO: International Maritime Organization</li> <li>INDEX NUMBER: Identifier in Annex VI of CLP</li> <li>LC50: Lethal Concentration 50%</li> <li>LD50: Lethal dose 50%</li> <li>OEL: Occupational Exposure Level</li> <li>PBT: Persistent bioaccumulative and toxic as REACH Regulation</li> <li>PEC: Predicted environmental Concentration</li> <li>PEL: Predicted exposure level</li> <li>PNEC: Predicted no effect concentration</li> <li>REACH: EC Regulation 1907/2006</li> <li>RID: Regulation concerning the international transport of dangerous goods by train</li> <li>TLV: Threshold Limit Value</li> <li>TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.</li> <li>TWA STEL: Short-term exposure limit</li> <li>VOC: Volatile organic Compounds</li> <li>vPVB: Very Persistent and very Bioaccumulative as for REACH Regulation</li> <li>WGK: Water hazard classes (German).</li> </ul>	
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