

According to Regulation (EU) No 2020/878

**SECTION 1** IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product code	: CRX720, AL61B
Product name	: SHELL AIR FRESHENER BLACK VELVET

# 1.2. Relevant identified uses of the substance or mixture and uses advised against

Application

: SU21 Consumer product. PC3 Air care products for vehicles. Airfreshener.

### 1.3. Details of the supplier of the safety data sheet

Supplier	<ul> <li>Kemetyl Kimya Sanayi ve Ticaret Limited Sirketi</li> <li>Küçükbakkalköy Mah. Dereboyu Cad. Brandium AVYM R5</li> <li>Blok D:82 Ataşehir / Istanbul, Turkey</li> </ul>
Telephone	: +908503030587
E-mail	: msds@kemetyl.com
Website	: www.kemetyl.com

### 1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only: TR - Telephone : +908503030587

(During office hours only)

#### **SECTION 2 HAZARDS IDENTIFICATION**

# 2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC)	:	Skin sensitization, category 1. Hazardous to the aquatic environment — Chronic category 3.
Human health hazards	:	May cause an allergic skin reaction.
Physical/chemical hazards	:	Not classified as dangerous according to statutory EC-Directives.

Environmental hazards : Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

Label elements (1272/2008/EC): Hazard pictograms



Signal word	: Warning	
H- and P-phrases	: H317 H412 P101 P102 P273 P280 gloves P302+P352 P333+P313 P501	May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid release to the environment. Wear protective gloves. IF ON SKIN: Wash with plenty of water/soap. If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container to an official chemical waste depot.



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Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases: Hazard pictograms :

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: Warning

Signal word

- 0	- 5	
H- and P-phrases	: H317	May cause an allergic skin reaction.
	H412	Harmful to aquatic life with long lasting effects.
	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P280 gloves	Wear protective gloves.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P501	Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Linalyl acetate ; 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde ; 1-(1, 2,3,5,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; Lavender, Lavandula hybrida grosso, ext. ; d-Limonene ; Citral ; Pentadecan-15-olide ; 2,4-Dimethylcyclohex-3-ene-1-carbaldehyde ; 1,2,3,5,6,7-Hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one .

# 2.3. Other hazards

Other information

: Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Product description : Mixture.

### Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.		EC number	Remark	REACH nr.
Linalyl acetate	< 3	115-95-	7	204-116-4		01-2119454789-19
2,2,4,6,6-Pentamethylheptane	< 3	13475-8	2-6	236-757-0		01-2119490725-29
4-(4-Hydroxy-4-methylpentyl)cyclohex-	< 1	31906-0	4-4	250-863-4		
3-enecarbaldehyde						
1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8-	< 1	68155-6	6-8	268-978-3		
tetramethyl-2-naphthyl)ethan-1-one						
Lavender, Lavandula hybrida grosso,	< 1	93455-9	7-1	297-385-2		
ext.						
d-Limonene	< 1	5989-27	-5	227-813-5		01-2119529223-47
Citral	< 0,5	5392-40	-5	226-394-6		01-2119462829-23
Pentadecan-15-olide	< 0,5	106-02-	5	203-354-6		01-2119987323-31
2,4-Dimethylcyclohex-3-ene-1-car-	< 0,25	68039-4	9-6	268-264-1		
baldehyde						
1,2,3,5,6,7-Hexahydro-1,1,2,3,3-pen-	< 0,25	33704-6	1-9	251-649-3		01-2119977131-40
tamethyl-4H-inden-4-one						
Substance name	Hazard Class		H-phra	ises	Pictograms	
Linalyl acetate	Skin Irrit. 2; Ski 1B; Eye Irrit. 2	n Sens.	H315;	H317; H319	GHS07	



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2,2,4,6,6-Pentamethylheptane	Flam. Liq. 3; Asp. Tox.	H226; H304; H413	GHS02; GHS08	
	1; Aquatic Chronic 4			
4-(4-Hydroxy-4-methylpentyl)cyclohex-	Skin Sens. 1A	H317	GHS07	
3-enecarbaldehyde				
1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8-	Skin Irrit. 2; Skin Sens.	H315; H317; H410	GHS07; GHS09	M (chronic) = 1
tetramethyl-2-naphthyl)ethan-1-one	1B; Aquatic Chronic 1			
Lavender, Lavandula hybrida grosso,	Asp. Tox. 1; Skin Irrit. 2;	H304; H315; H317;	GHS07; GHS08;	
ext.	Skin Sens. 1B; Aquatic	H411	GHS09	
	Chronic 2			
d-Limonene	Flam. Liq. 3; Asp. Tox.	H226; H304; H315;	GHS02; GHS07;	M (acute) = 1
	1; Skin Irrit. 2; Skin	H317; H400; H412	GHS08; GHS09	
	Sens. 1B; Aquatic			
	Acute 1; Aquatic			
	Chronic 3			
Citral	Skin Irrit. 2; Skin Sens.	H315; H317; H319	GHS07	
	1B; Eye Irrit. 2			
Pentadecan-15-olide	Skin Sens. 1B; Aquatic	H317; H411	GHS07; GHS09	
	Chronic 2			
2,4-Dimethylcyclohex-3-ene-1-car-	Skin Irrit. 2; Skin Sens.	H315; H317; H319;	GHS07; GHS09	
baldehyde	1B; Eye Irrit. 2; Aquatic	H411		
	Chronic 2			
1,2,3,5,6,7-Hexahydro-1,1,2,3,3-pen-	Skin Irrit. 2; Skin Sens.		GHS07; GHS09	
tamethyl-4H-inden-4-one	1B; Eye Irrit. 2; Aquatic	H411		
	Chronic 2			

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

# SECTION 4 FIRST-AID MEASURES

### 4.1. Description of first aid measures

First aid measures Inhalation	: Not applicable under normal conditions of use. Consult a doctor if victim feels unwell.
Skin contact	: Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up.
	Consult a doctor if irritation occurs.
Eye contact	: Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.
Ingestion	: Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

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

Effects and symptoms	
Inhalation	: No specific effects and/or symptoms are known.
Skin contact	: May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin.
Eye contact	: May cause stinging of eyes and redness.
Ingestion	: May cause a feeling of sickness, vomiting and diarrhoea.

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

Note to physicians : None known.

# SECTION 5 FIRE-FIGHTING MEASURES

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### 5.1. Extinguishing media

Extinguishing media	
Suitable	: Carbondioxide (CO2). Foam. Dry chemical. Water fog.
Not suitable	: Water jet. Use of heavy stream of water may spread fire.

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

Special exposure hazards	:	None known.
Hazardous thermal	:	Carbon monoxide may be evolved if incomplete combustion occurs.
decomposition products		

#### 5.3. Advice for firefighters

Special protective : Use adequate respiratory equipment in case of insufficient ventilation. equipment for fire-fighters

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Personal precautions	: Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with
	spilled or released material.

## 6.2. Environmental precautions

Environmental precautions	: Avoid release of product into sewers, surface water and/or ground water. In case of large spills:
	contain with dike. Waste product should not be allowed to contaminate soil or water.
Other information	: Notify authorities if any exposure to the general public or the environment occurs or is likely to
	occur.

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

Methods for cleaning up : Collect spilled material in containers. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

#### 6.4. Reference to other sections

Reference to other sections : See also section 8.

# SECTION 7 HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

 

 Handling
 : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

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

Storage	: Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents.
Recommended packaging	: Keep only in the original container.
Non recommended	: None known.
packaging	

#### 7.3. Specific end use(s)

Use

: Use only as directed.



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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m<sup>3</sup>):

Chemical name	Country		STEL 15 min	Comments	Source
		(mg/m3)	(mg/m3)		

# Derived no-effect level (DNEL) for workers:

Chemical name	Route of	,		DNEL, long-term	
	exposure				
	~	Local effect	Systemic effect	Local effect	Systemic effect
Linalyl acetate	Dermal	0,2362 mg/kg		0,2362 mg/kg	2,5 mg/kg bw/day
		bw		bw/day	
	Inhalation				2,75 mg/m3
d-Limonene	Inhalation				66,7 mg/m3
	Dermal				9,5 mg/kg bw/day
Citral	Inhalation				9 mg/m3
	Dermal				1,7 mg/kg bw/day
2,4-Dimethylcyclohex-3-ene-1-car-	Inhalation				0,44 mg/m3
baldehyde					
	Dermal				0,125 mg/kg bw/day
1,2,3,5,6,7-Hexahydro-1,1,2,3,3-pen-	Inhalation				1,47 mg/m3
tamethyl-4H-inden-4-one					
	Dermal		1	5,510 mg/kg bw/	0,42 mg/kg bw/day
				day	

### Derived no-effect level (DNEL) for consumers:

Chemical name	Route of DNEL, short-term DN exposure		DNEL, long-term	NEL, long-term	
	÷	Local effect	Systemic effect	Local effect	Systemic effect
Linalyl acetate	Dermal	0,2362 mg/kg		0,2362 mg/kg	1,25 mg/kg bw/day
		bw		bw/day	
	Inhalation				0,68 mg/m3
	Oral				0,2 mg/kg bw/day
d-Limonene	Inhalation				16,6 mg/m3
	Dermal				4,8 mg/kg bw/day
	Oral				4,8 mg/kg bw/day
Citral	Dermal				1 mg/kg bw/day
	Inhalation				2,7 mg/m3
	Oral				0,6 mg/kg bw/day
2,4-Dimethylcyclohex-3-ene-1-car-	Inhalation				0,108 mg/m3
baldehyde					-
	Dermal				0,062 mg/kg bw/day
	Oral				0,062 mg/kg bw/day
1,2,3,5,6,7-Hexahydro-1,1,2,3,3-pen- tamethyl-4H-inden-4-one	Inhalation				0,44 mg/m3
-	Dermal			3,241 mg/kg bw/	0,25 mg/kg bw/day
				day	
	Oral				0,25 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Product name Date of issue



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#### Chemical name Route of exposure Fresh water Marine water Linalyl acetate Water 0,011 mg/l 0,001 mg/l Sediment 0,609 mg/kg 0,061 mg/kg Intermittent water 0,11 mg/l STP 1 mg/l Soil 0,115 mg/kg d-Limonene Water 0.014 mg/l 0.0014 mg/l 0.385 mg/kg Sediment 3.85 mg/kg STP 1.8 mg/l Soil 0.763 mg/kg Oral 133 mg/kg food Citral Water 0,000678 mg/l 0,00678 mg/l Sediment 0,0125 mg/kg 0,125 mg/kg Intermittent water 0,0678 mg/l STP 1,6 mg/l Soil 0,0209 mg/kg Pentadecan-15-olide Water 0,0027 mg/l 0,00027 mg/l Sediment 21 mg/kg 4,2 mg/kg STP 10 mg/l Soil 10 mg/kg 2,4-Dimethylcyclohex-3-ene-1-Water 0,0075 mg/l 0,00075 mg/l carbaldehyde Sediment 0,226 mg/kg 0,0226 mg/kg Intermittent water 0.075 mg/l STP 10 mg/l Soil 0,0408 mg/kg 1,2,3,5,6,7-Hexahydro-1,1,2,3,3-Water 0.004 mg/l 0 mg/l pentamethyl-4H-inden-4-one Sediment 0,0991 mg/kg 0,00991 mg/kg STP 10 mg/l Soil 0,0174 mg/kg Oral 1,11 mg/kg food

# 8.2. Exposure controls

Engineering measures Hygienic measures Comply with standard precautionary measures for working with chemicals.When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



Body protection	: Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: nitril. Indication of permeation breakthrough time: 4 hours.
Respiratory protection	<ul> <li>Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.</li> </ul>
Hand protection	: Wear appropriate safety gloves in accordance with EN 374. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 4 hours.
Eye protection	: Wear appropriate safety glasses when there is danger of possible eye contact.



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# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	: Liquid.	Impregnated material.
Colour	: Light yellow.	
Odour	: Perfumed.	
Odour threshold	: Not known.	Not measured. Not relevant. Does not contain substances with a specific inhalation risk.
рН	: Not applicable.	Waterfree product.
Solubility in water	: Not soluble.	
Partition coefficient (n-oc-	: Not known.	Not measured. Not relevant for mixtures.
tanol/water)		
Flash point	: > 100 °C	Closed cup.
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 225 °C	
Boiling point/boiling range	: > 100 °C	
Melting point/melting range	: Not known.	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,7 (Linalyl acetate)
	:	Upper explosion limit in air (%): 4,3 (Linalyl acetate)
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	e: Not applicable.	·
Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: Not known.	
Relative vapour density	: >1	(air = 1)
Relative density (20°C)	: 1 g/ml	
Particle characteristics	: Not applicable.	Liquid.
	- FF	

#### 9.2. Other information

Other information : Not relevant.

# SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity	
Reactivity	: See sub-sections below.
10.2. Chemical stability	
Stability	: Stable under normal conditions.
10.3. Possibility of hazard	ous reactions
Reactivity	: No other hazardous reactions known.
10.4. Conditions to avoid	
Conditions to avoid	: See section 7.
10.5. Incompatible materia	lls

Materials to avoid

: Keep away from oxidizing agents.

### 10.6. Hazardous decomposition products



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Hazardous decomposition : Not known. products

#### **SECTION 11** TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological research has been carried out on this product.

Inhalation	
Acute toxicity	: Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: < 1 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met.
Corrosion/irritation	: Not classified - based on available data, the classification criteria are not met.
Sensitisation	Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
Carcinogenicity	Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Skin contact	
Acute toxicity	: Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
Corrosion/irritation	: Not classified - based on available data, the classification criteria are not met.
Sensitisation	: May cause sensitisation by skin contact. May produce an allergic reaction.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Eye contact	
Corrosion/irritation	: Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
Ingestion	
Acute toxicity	: Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
Aspiration	<ul> <li>Contains a substance/substances with an aspiration hazard. Not classified - based on available data, the classification criteria are not met.</li> </ul>
Corrosion/irritation	: May cause a feeling of sickness, vomiting and diarrhoea.
Carcinogenicity	Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Reprotoxicity	<ul> <li>Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.</li> </ul>

#### Toxicological information:

Chemical name	Property		Method	Test animal
_inalyl acetate	Outdoor cleaners	1000 mg/kg bw/d	OECD 414	Rat
	(excludes stone,			
	concrete and similar			
	surfaces)			
	LD50 (oral)	13934 mg/kg bw		Rat
	LC50 (inhalation)	> 2740 mg/m3		Mouse
	Skin irritation	Non-irritant		Human
	Skin irritation	Irritant	OECD 404	Rabbit
	Eye irritation	Irritant	OECD 405	Rabbit
	NOAEL (oral)	160 mg/kg bw/d	OECD 407	Rat



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NOAEL (dermal)         250 mg/kg bw/d         OECD 411         Rat           Mutagenicity         Not mutagenic         OECD 471         Salmonella typhimurium           Genotoxicity - in vitro         Not genotoxic         OECD 474         Mouse           Genotoxicity - in vitro         Not genotoxic         OECD 474         Mouse           OECD 474         Mouse         OECD 474         Mouse           Genotoxicity - in vitro         Not genotoxic         OECD 474         Mouse           Skin sensitisation         Sensitizing, skin initiation         OECD 429         Mouse           3-enecarbaldehyde         MoAEL (fertility, oral)         25 mg/kg bw/d         Rat           Skin initiation         Initiant         Fact         Rat           LD50 (dermal)         > 5000 mg/kg bw				-	
Genotoxicity - in vitro       Not genotoxic       OECD 476       Mouse         NOAEL (development, origi)       > 1000 mg/kg bw/d       OECD 474       Mouse         VAAEL (development, origi)       > 5000 mg/kg bw/d       OECD 414       Rat         estimate       Skin sensitisation       Sensitizing, origi astronomic a		NOAEL (dermal)	250 mg/kg bw/d	OECD 411	Rat
Genotoxicity - in vivo         Not genotoxic         OECD 474         Mouse           NOAEL (development, oral)         1000 mg/kg bw/d         OECD 414         Rat				OECD 471	Salmonella typhimurium
NOAEL (development, orai)         > 1000 mg/kg bw/d         OECD 414         Rat           A:(4-Hydroxy-4-methylpentyl)cyclohex- Senotaxidty - in vivo         Sensitizing.         OECD 429         Mouse           3-enccarbalderyde         Kin sensitisation         Sensitizing.         OECD 429         Mouse           3-enccarbalderyde         NOAEL (fertility, oral)         25 mg/kg bw/d         Rat         Rat           Sin irritation         Non-irritant         Path test         Human         Rabbit           Sin irritation         Non-irritant         Path test         Human         Rat           LD50 (dermal)         > 5000 mg/kg bw		Genotoxicity - in vitro	Not genotoxic	OECD 476	Mouse
oral)       DC30 (inhalation)       > 5000 mg/m3		Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
LC50 (inhalation) - estimate Skin sensitisation 3-encearbaildehyde A (4-Hydroxy-4-methylpentyl)cyclohex Genotoxichy - in vivo 3-encearbaildehyde A (4-Hydroxy-4-methylpentyl)cyclohex Genotoxichy - in vivo Skin irritation Skin irritation Skin irritation DL50 (oral) Eye irritation A (1,2,3,5,5,7,8,8a-Octahydro-2,3,8,8 LD50 (dermal) A (1,2,3,5,5,7,8,8a-Octahydro-2,3,8,8 LD50 (dermal) A (1,1,2,3,5,5,7,8,8a-Octahydro-2,3,8,8 LD50 (dermal) A (1,1,2,3,5,5,7,8,8a-Octahydro-2,3,8,8 LD50 (dermal) A (1,1,2,3,5,5,7,8,8a-Octahydro-2,3,8,8 LD50 (dermal) A (1,1,2,3,5,7,7,8,8a-Octahydro-2,3,8,8 LD50 (dermal) A (1,2,2,2,3,8,7,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8			> 1000 mg/kg bw/d	OECD 414	Rat
Skin sensitisation         Sensitizing         OECD 429         Mouse           4-(4-Hydroxy-4-methylpentyl)cyclohex- Senecarbaldehyde         Kin irritation         Not genotoxic         Mouse           Skin irritation         Skin irritation         Irritant         Rat           Skin irritation         Not-irritant         Patch test         Human           LD50 (dermal)         > 5000 mg/kg bw          Rat           1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8.8         LD50 (oral)         > 5000 mg/kg bw          Ratbit           etaramethyl-2-naphthylyethan-1-one         LD50 (dermal)         > 5000 mg/kg bw/d          Ratbit           d-Limonene         LD50 (dermal)         > 5000 mg/kg bw/d         OECD 429         Mouse           d-Limonene         LD50 (dermal)         > 5000 mg/kg bw/d         OECD 451         Rat           VOREL (carcinogenicity, oral)         > 3000 mg/kg bw/d         OECD 471         Rat           Skin arensitisation         Solo ug/cm2         OECD 429         Mouse           NOAEL (development, Omg/kg bw/d         OECD 471         Rat            Skin aritriation         Iritat          Rabbit           Clitral         NOAEL (developmentation         Notgenotxic <t< td=""><td></td><td>LC50 (inhalation) -</td><td>&gt; 5000 mg/m3</td><td></td><td>Rat</td></t<>		LC50 (inhalation) -	> 5000 mg/m3		Rat
4:(4-Hydroxy-4-methylpentyl)cyclohex- 3-enecarbaldehyde NOAEL (fertility, oral) Skin irritation Skin isositiisation 4:275 ug/cm2 OECD 429 Mouse 1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8- tetramethyl-2-naphttyl)ethan-1-one LD50 (oral) > 5000 mg/kg bw Rat LD50 (oral) > 5000 mg/kg bw Rat LD50 (oral) > 5000 mg/kg bw Rat LD50 (crain) > 5000 mg/kg bw/d OECD 451 Rat oral) Non-irritant OECD 455 Rabbit Mutagenicity Negative OECD 471 Skin sensitisation S500 ug/kg bw/d Rat OECD 429 Mouse 2000 mg/kg bw/d OECD 451 Rat 0000 mg/kg bw/d OECD 471 Skin sensitisation S500 ug/kg bw/d Rat OECD 429 Mouse 2000 mg/kg bw/d OECD 471 Skin sensitisation S500 ug/kg bw/d Rat DD50 (dermal) > 2000 mg/kg bw/d Rat DD50 (dermal) > 2000 mg/kg bw/d OECD 423 Rat DD50 (dermal) > 2000 mg/kg bw/d OECD 474 Mouse Skin irritation Irritant Rabbit DD50 (dermal) > 2000 mg/kg bw/d OECD 474 Mouse Eye irritation Sin irritation Moderately irritant Human Skin irritation Irritant Rabbit Skin irritation Skin irritation Irritant Rabbit Skin irritation Irritant Rabbit Skin irritation Irritant Rat DD50 (oral) ABA Rat DD50 (oral) Rat DD50 (oral) Rat DD50 (oral) Rat DD50 (oral) Rat DD50 (oral)			Consitining		
3-enecarbaldehyde       NOAEL (fertility, oral)       25 mg/kg bw/d       Rat         Skin irritation       Skin irritation       Non-irritant       Patch test       Human         LD50 (oran)       > 5000 mg/kg bw        Rati         L1(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8- tetramethyl-2-naphttyl)tethan-1-one       Eys irritation       Skin sensitisation       25 000 mg/kg bw        Rati         d-Limonene       Eb50 (oran)       > 5000 mg/kg bw        Rati         d-Limonene       Eb50 (oran)       > 5000 mg/kg bw        Rati         LD50 (dermal)       Solo (oral)       > 5000 mg/kg bw        Rati         genotoxicity       Non-irritant       OECD 429       Mouse       Rati         MUtagenicity       > 300 mg/kg bw/d       OECD 451       Rati         NOAEL (carcinogenicity, oral)       > 2000 mg/kg bw/d       OECD 471       OECD 471         Skin irritation       NoAEL (rent)       Stol ug/kg bw/d       OECD 423       Rati         NOAEL (oral)       > 2000 mg/kg bw/d       CECD 423       Rati         Skin irritation       NoAEL (rent)       > 2000 mg/kg bw/d       Rati         NOAEL (rent)       NoAEL (rent)       > 2000 mg/kg bw/d       Rati			-	0ECD 429	
Skin irritationIrritantRabbitSkin irritationNon-irritantPatch testHumanLD50 (orral)> 5000 mg/kg bwRatLD50 (dermal)> 5000 mg/kg bwRabbitEye irritationMildly irritantRabbitL1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8-LD50 (orral)> 5000 mg/kg bwLetramethyl-2-naphthyl)ethan-1-oneGenotoxicity - in vivo> 5000 mg/kg bwdLD50 (orral)> 5000 mg/kg bwdRatbitd-LimoneneGenotoxicity - in vivo> 2000 mg/kg bwdOECD 4511MutagenicityNoEL (carcinogenicity, orral)> 5000 mg/kg bwdOECD 4711Eye irritationNon-irritantOECD 4711MutagenicityNegativeOECD 4711Skin irritationS600 mg/kg bw/dRatoral)> 2000 mg/kg bw/dRatSkin irritationIrritantRabbitD500 org/kg bw/dRatoral)> 2000 mg/kg bw/dRatCitralNOAEL (ran)> 2000 mg/kg bw/dRatSkin irritationInfatantRabbitNOAEL (ran)> 150 mg/kg bw/dOECD 421RatSkin irritationNoderately irritantRabbitNOAEL (ran)> 1000 mg/kg bw/dOECD 474MouseSkin irritationSightly irritantOECD 4055RatNOAEL (ran)NogenotoxicNogenotoxicRatNOAEL (ran)NogenotoxicNogenotoxicRa					
Skin initiation LD50 (oral) Eye initiationNon-initiant >5000 mg/kg bwPatch test  Rat  Rat  Rabbit1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,6- tetramethyl-2-naphthyljethan-1-oneLD50 (oral) Eye initiation>5000 mg/kg bw Ratd-LimoneneLD50 (dermal) Genotoxicity - in vivo NOEL (carcinogenicity, oral)>5000 mg/kg bwd Potom mg/kg bwdRatd-LimoneneLD50 (dermal) Genotoxicity - in vivo NOEL (carcinogenicity, oral)>5000 mg/kg bwd Potom mg/kg bwdRatd-LimoneneLD50 (dermal) Genotoxicity - in vivo NOAEL (development, Genotoxicity - in vivo NOAEL (developmental Action and transitiation Skin irritationHiritat Hiritat Hiritat Hiritat Hiritat Hiritat Hiritat HiritatRatCitralNOAEL (developmental CitralNOAEL (developmental CitralOECD 421 Rat Hiritat H					
LD50 (oral) LD50 (dermal)> 5000 mg/kg bw  Rabbit  Rabbit1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,6- tetramethyl-2-naphthyl)ethan-1-oneLD50 (oral)> 5000 mg/kg bw  Ratd-LimoneneContoxicity - in vivo oral)> 5000 mg/kg bw 		Skin irritation	Irritant		Rabbit
LD50 (dermal) Eye irritation Skin sensitisation Letramethyl-2-naphthyl)ethan-1-oneLD50 (oral)> 5000 mg/kg bw 2000 mg/kg bw Rabbit Moused-LimoneneLD50 (dermal) Genotoxicity - in vivo ALL (carcinogenicity) Skin sensitisation> 5000 mg/kg bw/d 2000 mg/kg bw/d Ratd-LimoneneNoEL (carcinogenicity) VoEL (carcinogenicity) Skin sensitisation> 5000 mg/kg bw/d 2000 mg/kg bw/d Ratd-LimoneneNoEL (carcinogenicity) VoEL (carcinogenicity) Skin sensitisation> 5000 mg/kg bw/d 2000 mg/kg bw/dOECD 451 Ratd-LimoneneNoAEL (development oral) Skin sensitisationNon-irritant S500 ug/cm2OECD 451 RatNOAEL (carcinogenicity) Skin sensitisation DSLE (carcinogenicity)Nogative S500 ug/cm2OECD 429 NusseNoAEL (development, Genotoxicity - in vitor NOAEL (development) Skin irritationIrritant Iso mg/kg bw/dRatCitralNOAEL (development) Skin irritationSightly irritant Moderately irritantOECD 421 RatCitralNOAEL (developmental 423 mg/m3 oral)CECD 405 RabbitRabbitCitralNOAEL (developmental 423 mg/m3 oral) RatRatbitCitralNOAEL (developmental 423 mg/m3 oral) RatRatCitralNOAEL (developmental 423 mg/m3 oral) RatRatCitralNOAEL (developmental 423 mg/m3 oral) RatRatCitralNOAEL (developmental 423 mg/m3 oral) RatRatCitralNOAEL		Skin irritation	Non-irritant	Patch test	Human
Line of the second s		LD50 (oral)	> 5000 mg/kg bw		Rat
1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,6       Skin sensitisation       4275 ug/cm2       OECD 429       Mouse         1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,6       LD50 (oral)       > 5000 mg/kg bw/        Rat         tetramethyl-2-naphthyl)ethan-1-one       Genotoxicity - in vivo       > 5000 mg/kg bw/d       OECD 451       Rat         d-Limonene       Genotoxicity - in vivo       > 300 mg/kg bw/d       OECD 405       Rabbit         d-Limonene       Genotoxicity - in vivo       Non-irritiant       OECD 405       Rat         NOEL (carcinogenicity, oral)       Yeg irritation       Non-irritiant       OECD 429       Mouse         NOAEL (development, oral)       Sixin sensitisation       Noolect 429       Mouse       Mouse         Skin irritation       Irritati        Rat        Rat         LD50 (oran)       2000 mg/kg bw       OECD 423       Rat        Rat         Citral       NOAEL (retility, oral)       Stio ms/kg bw/d       CECD 421       Rat          Citral       NOAEL (retility, oral)       Stio ms/kg bw/d       OECD 421       Rat          Citral       NOAEL (retility, oral)       Stio instritation       Moderately irritant       Rat <tr< td=""><td></td><td>LD50 (dermal)</td><td>&gt; 5000 mg/kg bw</td><td></td><td>Rabbit</td></tr<>		LD50 (dermal)	> 5000 mg/kg bw		Rabbit
1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8- tetramethyl-2-naphthyl)ethan-1-one       LD50 (dermal)       > 5000 mg/kg bw/        Rat         d-Limonene       LD50 (dermal)       > 5000 mg/kg bw/d        Rat         d-Limonene       Genotoxicity - in vivo NOEL (carcinogenicity, oral)       > 300 mg/kg bw/d       OECD 451       Rat         b-genotoxicity - in vivo oral)       Eye irritation       Non-irritant       OECD 429       Mouse         NOAEL (development, oral)       Skin sensitisation       5500 ug/cm2       OECD 429       Mouse         Skin irritation       Irritant         Rat         LD50 (dermal)       > 2000 mg/kg bw/d        Rat         D50 (oral)       Skin irritation       Irritant           LD50 (dermal)       > 2000 mg/kg bw/d       Rat       Rat         D50 (oral)       Subot org/kg bw/d       OECD 421       Rat         Genotoxicity - in vivo Reperive       NOAEL (fertility, oral)       > 1000 mg/kg bw/d       OECD 474       Mouse         Skin irritation       Moderately irritant       Irritant       Habbit       Human         Skin irritation       Sinsin irritation       Sonsitizario, Skin irritation       Sonsitizario, Skin irritation       OECD 406		Eye irritation	Mildly irritant		Rabbit
tetramethyl-2-naphthyl)ethan-1-one       LD50 (dermal)       > 5000 mg/kg bw/d       Rat         d-Limonene       Genotoxicity - in vivo       > 300 mg/kg bw/d       OECD 451       Rat         NOEL (carcinogenicity, oral)       > with sensitisation       Non-irritant       OECD 405       Rabbit         Variable       Eye irritation       Non-irritant       OECD 405       Rabbit         Mutagenicity       Stin sensitisation       Non-irritant       OECD 471       Rat         Skin sensitisation       Stin irritation       Irritant       OECD 421       Rat         Oral)       Skin irritation       Irritant        Rabbit         LD50 (dermal)       > 2000 mg/kg bw       OECD 423       Rat         NOAEL (coral)       150 mg/kg bw/d       OECD 421       Rat         NOAEL (fertility, oral)       Noderately irritant       OECD 474       Mouse         Skin irritation       Istin irritant       Noderately irritant       OECD 474       Rat         Skin irritation       Singhtly irritant       OECD 474       Mouse       Sabbit         Skin irritation       Irritant       Human       Rat       Sabbit       Human         Skin irritation       Sensitizing.       OECD 474       Mouse		Skin sensitisation	4275 ug/cm2	OECD 429	Mouse
d-LimoneneLD50 (dermal)> 5000 mg/kg bw/ > 2000 mg/kg bw/d Rabbit Ratd-LimoneneGenotoxicity - in vivo NOEL (carcinogenicity, stri sensitisation> 2000 mg/kg bw/d OECD 451RatMutagenicityNegative S500 ug/cm2OECD 405RabbitMutagenicityNegative S600 ug/kg bw/dOECD 429MouseNOAEL (development, oral)500 ug/kg bw/d S00 ug/kg bw/dOECD 423RatSkin irritationIrritant Irritant RatLD50 (dermal)> 2000 mg/kg bw/d Senotoxicity - in vitro NoAEL (arelifty, oral)> 2000 mg/kg bw/dOECD 423CitralNOAEL (arelifty, oral) Senotoxicity - in vitro NOAEL (arelifty, oral)> 1000 mg/kg bw/dOECD 421CitralNOAEL (arelifty, oral) Skin irritationNoderately irritant BensitisationRatSkin irritationIrritant Skin irritationOECD 405Rabbit RabbitSkin irritationSightly irritant BensitisationOECD 406Guinea pigNOAEL (carcinogenicity, Skin irritationSensitizing.OECD 406Guinea pigNOAEL (carcinogenicity, oral)Negative MutagenicityOECD 471 		LD50 (oral)	> 5000 mg/kg bw		Rat
d-Limonene     Genotoxicity - in vivo NOEL (carcinogenicity, oral)     > 2000 mg/kg bw/d     OECD 451     Rat       Lyse irritation     Non-irritant     OECD 451     Rat       Skin sensitisation     S500 ug/cm2     OECD 471     Stin       Skin sensitisation     S500 ug/cm2     OECD 429     Mouse       NOAEL (development, oral)     600 mg/kg bw/d     Rat     Rat       Skin irritation     Irritant      Rabbit       LD50 (dermal)     > 2000 mg/kg bw      Rabbit       Citral     NOAEL (fertility, oral)     > 2000 mg/kg bw/d     Rat       Genotoxicity - in vitro     Not genotoxic     Rat       OECD 423     Rat       DS0 (oral)     > 2000 mg/kg bw/d     Rat       OECD 423     Rat     Rat       DS0 (oral)     > 2000 mg/kg bw/d     Rat       NOAEL (fertility, oral)     Not genotoxic     Rat       NOAEL (crai)     150 mg/kg bw/d     Rat       Skin irritation     Inritant     Rat       Skin irritation     Inritant     Rat       Skin irritation     Inritant     Rat       Skin irritation     Sensitzing.     OECD 421     Rat       NOAEL (carcinogenicity, oral)     Yagm/a      Rat       NOAEL (crarinogenicity, o		I D50 (dermal)	> 5000 mg/kg bw		Rabbit
NOEL (carcinogenicity, oral)> 300 mg/kg bw/dOECD 451RatEye irritationNon-irritantOECD 451RatMutagenicityNegativeOECD 471OECD 429MouseSkin sensitisation5500 ug/cm2OECD 429MouseNOAEL (development, oral)600 mg/kg bw/dOECD 429MouseSkin irritationIrritantRatLD50 (dermal)> 2000 mg/kg bwOECD 423RatDS0 (dermal)> 2000 mg/kg bw/dOECD 421RatDS0 (dermal)> 2000 mg/kg bw/dRatOECD 421RatDS0 (dermal)> 1000 mg/kg bw/dOECD 421RatDAAEL (oral)> 1000 mg/kg bw/dOECD 474MouseSkin irritationSlightly irritantOECD 474MouseSkin irritationSlightly irritantOECD 474MouseSkin irritationSensitizing.OECD 406Guinea pigNOAEL (developmental423 mg/m3RatNOAEL (developmental423 mg/m3RatNOAEL (developmental423 mg/m3RatNOAEL (developmental423 mg/m3RatNOAEL (developmental423 mg/m3RatNOAEL (developmental200 mg/kg bw/dOECD 471NOEL (carcinogenicity, - in viroNot genotoxicRatNOAEL (cral)233 mg/kg bw/dRatDSO (dermal)200 mg/kg bw/dRatNOAEL (cral)233 mg/kg bw/d <t< td=""><td>d-l imonene</td><td></td><td></td><td></td><td></td></t<>	d-l imonene				
Eye irritationNon-irritantOECD 405RabbitMutagenicityNegativeOECD 471OECD 471Skin sensitisation5500 ug/cm2OECD 429MouseNOAEL (development, oral)600 mg/kg bw/dOECD 423RatSkin irritationIrritantRabbitLD50 (dermal)> 2000 mg/kg bwOECD 423RatDS50 (dermal)> 2000 mg/kg bw/dOECD 421RatCitralNOAEL (fertility, oral)150 mg/kg bw/dOECD 474MouseCitralNOAEL (fertility, oral)Noderately irritantOECD 474MouseGenotoxicity - in vivoNiggtiveOECD 474MouseSkin irritationIrritantOECD 474MouseSkin irritationSensitizing.OECD 474MouseSkin irritationIrritantGenotoxicity, in humanSensitizing.OECD 474NOEL (developmental423 mg/m3Rattoxicity, inh.)NOEL (carcinogenicity, ang/m3RatMutagenicityNegativeOECD 471AttMutagenicityNegativeOECD 471AttMutagenicityNegativeOECD 471AttNOAEL (developmental423 mg/m3RatMutagenicityNot genotoxicRatNOAEL (developmental220 mg/kg bw/RatNOAEL (cral)833 mg/kg bw/dRatDS0 (dermal)2250 mg/kg bw/RatNOAEL (development, oral) <td></td> <td>NOEL (carcinogenicity,</td> <td>00</td> <td>OECD 451</td> <td></td>		NOEL (carcinogenicity,	00	OECD 451	
MutagenicityNegativeOECD 471Skin sensitisation5500 ug/cm2OECD 429NOAEL (development, oral)600 mg/kg bw/dRatSkin irritationIrritantLD50 (dermal)> 2000 mg/kg bwLD50 (oral)> 2000 mg/kg bwCitralNOAEL (oral)150 mg/kg bw/dRatNOAEL (oral)150 mg/kg bw/dRatGenotoxicity - in vitoNot genotoxicNOAEL (oral)> 1000 mg/kg bw/dRatGenotoxicity - in vitoNegativeOECD 421Genotoxicity - in vitoNegativeOECD 474MouseEye irritationSlightly irritantSkin irritationModerately irritantRabbitSkin irritationInderately irritantRabbitSkin sensitisationSensitizing.OECD 406Guinea pigNOAEL (developmental423 mg/m3RatNOAEL (carcinogenicity, oral)> 100 mg/kg bw/dOECD 471RatNOAEL (carcinogenicity, oral)> 100 mg/kg bw/dOECD 453RatNOAEL (carcinogenicity, oral)NogenotoxicNot genotoxicRatNOAEL (oral)833 mg/kg bw/dRatLD50 (orani)2500 mg/kg bwRatLD50 (dermal)2200 mg/kg bw/dRatLD50 (dermal)2200 mg/kg bw/dRatLD50 (dermal)> 5000 mg/kg bw/dRatLD50 (dermal)> 5000 mg/kg bw/dRatLD50 (derma			Niew indianat		Dahhit
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LD50 (dermal) > 5000 mg/kg bw Rabbit	Pentadecan-15-olide				
Skin irritation Slightly irritant OECD 404 Rabbit					
		Skin irritation	Slightly irritant	OECD 404	Rabbit



According to Regulation (EU) No 2020/878

	Skin irritation	Non-irritant	Patch test	Human
	NOAEL (fertility) -	> 1000 mg/kg.d	Read across	Rat
	estimate			
	NOAEL (development)	> 1000 mg/kg.d	Read across	Rat
	- estimate			
	NOAEL (oral) -	> 1000 mg/kg bw/d	Read across	Rat
	estimate			
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - estimate	Not genotoxic		
	Skin sensitisation	5450 ug/cm2	OECD 429	Mouse
2,4-Dimethylcyclohex-3-ene-1-	Skin sensitisation	5900 ug/cm2		
carbaldehyde				
	LD50 (oral)	> 2000 mg/kg bw		Rat
	LD50 (dermal)	> 2000 mg/kg bw		Rabbit
	Mutagenicity	Not mutagenic		Salmonella typhimurium
1,2,3,5,6,7-Hexahydro-1,1,2,3,3- pentamethyl-4H-inden-4-one	Genotoxicity - in vitro	Not genotoxic	OECD 476	Mouse
	LD50 (oral)	> 2325 mg/kg bw	OECD 401	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Skin irritation	Irritant		Human
	Eye irritation	Irritant		
	NOAEL (oral)	10 mg/kg bw/d	OECD 408	Rat
	NOAEL (development,	115 mg/kg bw/d	OECD 421	Rat
	oral)			
	NOAEL (fertility, oral)	115 mg/kg bw/d	OECD 421	Rat

# 11.2. Information on other hazards

Endocrine disrupting	:	Not applicable.
properties		
Other information	:	Not applicable.

# SECTION 12 ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity

No ecotoxicological research has been carried out on this product.

: Harmful to aquatic organisms. Calculated LC50 (fish): 59 mg/l. Calculated EC50 (waterflea): 23 mg/ l. Contains 0 % of components with unknown hazards to the aquatic environment.

### 12.2. Persistence and degradability

Persistence - degradability : May cause long-term adverse effects in the aquatic environment.

### 12.3. Bioaccumulative potential

Bioaccumulative potential : Contains bioaccumulating substances.

#### 12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility.

### 12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

### 12.6. Endocrine disrupting properties



According to Regulation (EU) No 2020/878

# Kemetyl

Endocrine disrupting : Not applicable. properties

# 12.7. Other adverse effects

Other adverse effects : Not applicable.

### Ecological information:

Chemical name	Property		Method	Test animal
1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8-	LC50 (fish) - estimate	1,3 mg/l		
tetramethyl-2-naphthyl)ethan-1-one				
	EC50 (waterflea) -	1,38 mg/l		
	estimate			
1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8-	Log P(ow)	4,7000		
tetramethyl-2-naphthyl)ethan-1-one				

# SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Product residues	: Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues, impregnated wipes and non-empty pack as hazardous waste.
Additional warning	: None.
Waste water discharge	: Do not dispose into the environment, in drains or in water courses.
European waste catalogue	: Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
Local legislation	: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

# SECTION 14 TRANSPORT INFORMATION

#### 14.1. UN number or ID number

UN nr.

: None.

# 14.2. UN proper shipping name

Transport name : Not regulated.

### 14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/rail Class	way/inland waterways) : This product is not classified according to ADR/RID/ADN.
IMDG (sea) Class Marine pollutant	: This product is not classified according to IMDG. : No
IATA (air) Class	: This product is not classified according to IATA.

### 14.6. Special precautions for user

Other information : Country specific variations may apply.

### 14.7. Maritime transport in bulk according to IMO instruments



According to Regulation (EU) No 2020/878

Marpol

: Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

## SECTION 15 REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).

#### 15.2. Chemical safety assessment

Chemical safety	: Not applicable		
assessment			

# SECTION 16 OTHER INFORMATION

#### 16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (\*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

• •			
	ADR		European Agreement concerning the International Carriage of Dangerous Goods by Road
	ATE		Acute Toxicity Estimate
	CLP		Classification, Labeling & Packaging
	CMR	:	Carcinogenic, Mutagenic or toxic for Reproduction
	EEC	:	European Economic Community
	GHS	:	Globally Harmonized System of Classification and Labelling of Chemicals
	IATA	:	International Air Transport Association
	IBC code	:	International Bulk Chemical Code
	IMDG	:	International Maritime Dangerous Goods Code
	LD50/LC50	:	Lethal Dose/Concentration for 50% of a population
	MAC	:	Maximum Allowable Concentration
	MARPOL	:	International Convention for the Prevention of Pollution From Ships
	NO(A)EL	:	No Observed (Adverse) Effect Level
	OECD	:	Organisation for Economic Co-operation and Development
	PBT	:	Persistent, Bioaccumulative and Toxic
	PC	:	Chemical product category
	PT	:	Product type
	REACH	:	Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID	:	Regulations concerning the International Carriage of Dangerous Goods by Rail
	STP	:	Sewage Treatment Plant
	SU	:	Sector of Use
	TWA/STEL	:	Time-Weighted Average/Short Term Exposure Limit
	UN	:	United Nations
	UFI	:	Unique formula identifier
	VOC	:	Volatile Organic Compounds
	vPvB		Very Persistent and Very Bioaccumulative



According to Regulation (EU) No 2020/878

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Skin Sens. 1/1A/1B	e classification according to Regulation (EC) No. 1272/2008: : Calculation method. : Calculation method.		
Full text of hazard classes n Flam. Liq. 3 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1/1A/1B Asp. Tox. 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Aquatic Chronic 4 Aquatic Acute 1	<ul> <li>Flammable liquid, category 3.</li> <li>Skin irritation, category 2.</li> <li>Eye irritation, category 2.</li> </ul>		
Full text of H-phrases mentioned in section 3:H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H315Causes skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.H413May cause long lasting harmful effects to aquatic life.			
Advice on any training appropriate for workers: none.			

Number format : "," used as decimal separator.

End of safety data sheet.

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