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	SHAKE AIR FRESHENER GENTLEMAN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
1.1.	Product identifier	
	Trade name:	SHAKE AIR FRESHENER GENTLEMAN
	Chemical name:	No data available
	Catalogue number:	No data available
1.2.	Relevant identified uses of the substance or mixture and uses advised against	
	Using:	Air freshener for cars and other indoor areas. Take the bottle with your fingers through the hole on the wood unscrews the top part and take off the plastic cap. Return the wooden cover where it belongs and tighten. After that, hang up the "Shake" on desired place (recommendation for car: car mirror), so it can rock (at rocking loosed fragrance are going through the wooden package). Turn on upside down for two seconds. Fragrance intensity can be adapted by the wooden ring on the rope witch can be wrap up or down to set the fragrance.
	Uses advised against:	No data available
	Reason advised against:	No data available
1.3.	Details of the supplier of the safety data sheet	
	Company name:	PRESTIGE d.o.o.
	Address:	Zadvorska 39, 10257 Brezovica-Zagreb
	Telephone number:	+385(0)1-6272-739
	Fax number:	+385(0)75-522-984
	e-mail of the person in charge:	info@shake.hr
	National contact:	No data available
1.4.	Emergency telephone number	
	Department of emergency situations telephone number:	112
	Medical information's telephone number:	01-23-48-342
	Other data's:	No data available

SECTION 2. HAZARD IDENTIFICATION		
2.1.	Classification of the substance or mixture	
2.1.1.	Classification according to Regulation (EC) 1272/2008 [CLP]	
	Hazard class and category code:	Hazard statements:
	Skin Irr. 2	H315
	Skin. Sens. 1	H317
	Eye Irr. 2	H319
	Aquatic Chronic 2	H411
2.1.2.	Additional information's	
	No data available	
**Full text of H i EUH statements is available in section 16.		
2.2.	Classification elements according to Regulation (EC) 1272/2008 [CLP]	
	Product identifier:	SHAKE AIR FRESHENER GENLTEMAN

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Identification number:	-
Authorisation number:	-
Hazard pictograms:	
Signal word:	Warning
Hazard statements:	H315 – Causes skin irritation. H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation. H411 – Toxic to aquatic life with long lasting effects.
Precautionary statements:	P273 – Avoid release to the environment. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention. P337 + P313 – If eye irritation persists: Get medical advice/attention. P391 – Collect spillage. P501 – Dispose of contents/container to relevant information's
Additional information's on hazards:	EUH 208 Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 4-tert-butylcyclohexyl acetate, Linalool, Geraniol, Pin-2(10)-ene, Cineole, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde, Pin-2(3)-ene, Geranyl acetate, (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one. May produce an allergic reaction.
2.3.	Additional hazards
	The substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH).

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS				
CAS/ EINECS/ Index No	REACH registration No	Content %	Name	Classification according to Regulation (EC) No 1272/2008
18479-58-8 242-362-4 -	01- 2119457274- 37	>= 25 -< 30	2,6-dimethyloct-7-en-2-ol	Skin Irr. 2, H315 Eye Irr.; H319
1222-05-5 214-946-9 603-212-00-7	01- 2119488227- 29	>= 7 -< 10	1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	Aquatic Acute 1;H400 Aquatic chronic,1; H410
5989-27-5 227-813-5 601-029-00-7	01- 2119529223- 47	>= 7 -< 10	(R)-p-mentha-1,8-diene	Flam. Liq. 3;H226 Asp. Tox. 1; H304 Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic Acute 1;H400 Aquatic chronic,1; H410

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8007-35-0 232-357-5 -	01- 2119977127- 29	$\geq 7 < 10$	Terpineol, acetate	Aquatic chronic,2;H411 M=1
54464-57-2 259-174-3 -	01- 2119489989- 04	$\geq 5 < 7$	1-(1,2,3,4,5,6,7,8-octahydro- 2,3,8,8-tetramethyl-2- naphthyl)ethan-1-one	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic chronic,1; H410 M=1
32210-23-4 250-954-9 -	01- 2119976286- 24	$\geq 3 < 5$	4-tert-butylcyclohexyl acetate	Skin. Sens. 1B; H317
115-95-7 204-116-4 -	01- 2119454789- 19	$\geq 3 < 5$	Linalyl acetate	Skin Irr. 2, H315 Eye Irr.; H319
127-91-3 204-872-5 -	-	$\geq 1 < 3$	Pin-2(10)-ene	Flam. Liq. 3;H226 Asp. Tox. 1; H304 Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic Acute 1;H400 M=1 Aquatic chronic,1; H410 M=1
78-70-6 201-134-4 -	01- 2119474016- 42	$\geq 1 < 3$	Linalool	Skin. Sens. 1B; H317 Skin Irr. 2, H315 Eye Irr.; H319
106-24-1 203-377-1 -	01- 2119552430- 49	$\geq 1 < 3$	Geraniol	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Eye Dam. 1; H318
2050-08-0 218-080-2 -	-	$\geq 1 < 3$	Pentyl salicylate	Aquatic chronic,1; H410 M=1
470-82-6 207-431-5 -	01- 2119967772- 24	$\geq 0,5 < 1$	Cineole	Flam. Liq. 3;H226 Skin. Sens. 1B; H317
106-25-2 203-378-7 -	-	$\geq 0,5 < 1$	Nerol	Skin. Sens. 1B; H317 Skin Irr. 2, H315 Eye Irr.; H319
127-51-5 204-846-3 -	-	$\geq 0,5 < 1$	3-methyl-4-(2,6,6-trimethyl-2- cyclohexen-1-yl)-3-buten-2- one	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic chronic,2;H411 M=1

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5392-40-5 226-394-6 605-019-00-3	01- 2119462829- 23	$\geq 0,5$ -< 1	Citral	Skin. Sens. 1B; H317 Skin Irr. 2, H315 Eye Irr.; H319
68039-49-6 268-264-1 -	01- 2119982384- 28	$\geq 0,1$ -< 0,25	2,4-dimethylcyclohex-3-ene-1- carbaldehyde	Skin. Sens. 1B; H317 Skin Irr. 2, H315 Eye Irr.; H319 Aquatic chronic,3;H412 M=1
80-56-8 201-291-9 -	-	$\geq 0,1$ -< 0,25	Pin-2(3)-ene	Flam. Liq. 3;H226 Asp. Tox. 1; H304 Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic Acute 1;H400 M=1 Aquatic chronic,1; H410 M=1
105-87-3 203-341-5 -	01- 2119973480- 35	$\geq 0,1$ -< 0,25	Geranyl acetate	Skin. Sens. 1B; H317 Skin Irr. 2, H315 Aquatic chronic,3;H412 M=1
24720-09-0 246-430-4 -	-	$\geq 0,1$ -< 0,25	(E)-1-(2,6,6-trimethyl-2- cyclohexen-1-yl)-2-buten-1- one	Acute tox. 4; H302 Skin. Sens. 1B; H317
141-78-6 205-500-4 607-022-00-5	01- 2119475103- 46	5 ppm	Ethyl acetate	Flam. Liq. 2; H225 Eye Irr.; H319 STOT SE 3; H336 EUH066
123-92-2 204-662-3 607-130-00-2	01- 2119548408- 32	2 ppm	Isopentyl acetate	Flam. Liq. 3;H226 EUH066

SECTION 4: FIRST AID MEASURES		
4.1.	Description of first aid measures	
General information's:	In the case of the occurrence and persistence of symptoms, consult a physician.	
Inhalation:	Remove the victim (move out / take out) from vapour/aerosol exposure to fresh air; and in case of any discomfort immediately seek medical attention.	
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with water and mild soap, and then rinse with plenty of water. In the case of the occurrence and persistence of symptoms of irritation, seek for medical attention. Wash contaminated clothing thoroughly before reuse.	

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	Eye contact:	Wash hands! In case of contact with eyes, rinse immediately with plenty of water, remove contact lenses (if there are any) and continue to rinse for about 15 minutes. During rinsing keep eyelids widely open and move your eyeball. Immediately seek for Ophthalmologist!
	Ingestion:	Immediately get medical attention! DO NOT induce vomiting.
4.2.	Most important symptoms and effects, both acute and delayed	
	After inhalation:	Symptoms are not expected
	After skin contact:	There may be redness, itching, rash occurred by sensible person
	After eye contact:	Not likely regard the way of using
	After ingestion:	Not likely regard the way of using
4.3.	Immediate medical attention and special treatment needed	
	Show medical staff the material safety data sheet or label/packaging. Specific information for the doctor: Treatment should be symptomatic and supportive.	

SECTION 5: FIRE-FIGHTING MEASURES		
5.1.	Extinguishing media	
	Suitable extinguishing media:	Carbon dioxide, water spray
	Unsuitable extinguishing media:	Full water jet
5.2.	Special hazards arising from the mixture.	
	Hazardous burning product's:	During fire at high temperatures harmful and irritating mixtures can be formed: carbon dioxide / carbon monoxide. During fire dangerous smoke can occur. DO NOT inhale that smoke!
5.3.	Advice for firefighters:	
	Wear self-contained breathing apparatus (HRN EN 137), protective clothing against fire (HRN EN 469), gloves (HRN EN 659) and boots (HRN A29 ili A30). Wear protective clothing to prevent contact with skin and eyes. Evacuate and isolate danger area. Closed containers exposed to fire or high temperature should be cooled down with dispersed streams of water if it is safe to do. Prevent wastes from extinguishing to enter drains and water reservoirs by building dikes (for example sand). The resulting waste and residues after the fire action should be removed in accordance valid regulations.	
5.4.	Additional information's	
	No data available	

SECTION 6: ACCIDENTAL RELEASE MEASURES		
6.1.	Personal precautions, protective equipment and emergency procedures	
6.1.1.	For non-emergency personal	
	Protective equipment:	Wear protective personal clothing (section 8.)
	Accident preventing procedures:	Make sure that everyone are following recommended procedures for safe handling, storage and transport (see section 7.)
	Procedures in case of accident:	Keep unnecessary personnel away. Stop further leaking. Eliminate all ignition, heat and sparking sources if safe to do so. Ensure adequate ventilation. Do not inhale vapours. Avoid contact with skin and eyes.

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6.1.2.	For emergency personnel:	
	Wear protective clothing recommended in Section 8. Keep unprotected personnel away.	
6.2.	Environmental precautions:	
	Avoid release containers and chemicals to the environment. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.	
6.3.	Methods and material for containment and cleaning up	
6.3.1.	For boarding, covering, plugging:	Prevent from discharging into drains and water courses by building (other materials are aloud too)) barrages and barriers. Ensure adequate ventilation. In case of large spills inform local authority.
6.3.2.	Methods and materials for containment and cleaning up.:	Stop the flow of material by covering with absorb material as sawdust, sand or mineral absorbent and place into appropriate containers for disposal (section 13.), rinse residuals with plenty of water.
6.3.3.	Additional information's:	No data available
6.4.	Direction on other sections	
	Sections 8. i 13.	

SECTION 7: HANDLING AND STORAGE		
7.1.	Precautions for safe handling	
7.1.1.	Protective measures:	
	Measures to prevent fire:	Eliminate all sources of ignition, sparking and heat – do not smoke.
	Measures for preventing creation of aerosols and dust:	Hold up all instruction for save handling. Use only in a well-ventilated places.
	Environmental precautions:	Closed containers, concrete floor surfaces, covered.
7.1.2.	General advice of hygiene on work place	
	Do not eat, drink or smoke when using this product (on working place). Wash hands thoroughly after handling and before break. Wear protective personal clothing (section 8.) Remove all contaminated clothes and footwear.	
7.2.	Conditions for safe storage, including any incompatibilities	
	Technical measures and storage requirements:	Store on dry, cool (5-25OC) and good ventilated place, away from sources of heat, sparking, ignition source, direct sunlight. Make sure everyone are following instructions for save handling
	Suitable packaging:	Store only in original, closed-up containers. It is not allowed to displace in any other container.
	Demand for storage area and containers:	Bend in the floor must not be bunched into a sewage.
	Advice how to set out the storage:	Adequate ventilation.
	Other information's on storage terms:	Keep out other materials.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters				
Substance	CAS No.	Occupational exposure limits (GVI/KGVI)		Biological exposure limits
		ppm	mg/m ³	
2,6-dimethyloct-7-en-2-ol	18479-58-8	-	-	-
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5	-	-	-
(R)-p-mentha-1,8-diene	5989-27-5	-	-	-
Terpineol, acetate	8007-35-0	-	-	-
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	-	-	-
4-tert-butylcyclohexyl acetate	32210-23-4	-	-	-
Linalyl acetate	115-95-7	-	-	-
Pin-2(10)-ene	127-91-3	-	-	-
Linalool	78-70-6	-	-	-
Geraniol	106-24-1	-	-	-
Pentyl salicylate	2050-08-0	-	-	-
Cineole	470-82-6	-	-	-
Nerol	106-25-2	-	-	-
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5	-	-	-
Citral	5392-40-5	-	-	-
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6	-	-	-
Pin-2(3)-ene	80-56-8	-	-	-
Geranyl acetate	105-87-3	-	-	-
(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	24720-09-0	-	-	-
Ethyl acetate	141-78-6	200/400		

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Isopentyl acetate	123-92-2	50/100	270/540	
Substance name: -				
EC No: -	CAS No: -			-
DNEL				
Industrial				
Route of exposure:	Acute local effects	Acute systematic effects	Chronical local effects	Chronical systematic effects
Orally	No data available	No data available	No data available	No data available
Inhalation	No data available	No data available	No data available	No data available
Dermally	No data available	No data available	No data available	No data available
Vital physical parameters: solubility, flammability, corrosion -				
Consumer				
Route of exposure:	Acute local effects	Acute systematic effects	Chronical local effects	Chronical systematic effects
Orally	No data available	No data available	No data available	No data available
Inhalation	No data available	No data available	No data available	No data available
Dermally	No data available	No data available	No data available	No data available
PNEC				
Protected environmental object		PNEC		
Freshwater		No data available		
Freshwater sediments		No data available		
Seawater		No data available		
Seawater sediments		No data available		
Nutritional chain		No data available		
Sewage treatment plant		No data available		
Soil		No data available		
Air		No data available		
8.2.	Charge of exposure			
8.2.1.	Adequate control appliance,			
	Measures to prevent exposure while recommended handling:	Avoid contact with eyes and skin. Use personal protective clothes as required.		
	Structure measures to prevent exposure:	No data available		

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	Organisation measures to prevent exposure:	No data available
	Technical measures to prevent exposure:	Ensure enough air exchange / transition
8.2.2.	Individual protection measures, such as personal protective equipment	
8.2.2.1.	Eye/face protection:	Under normal operating conditions - not required. Protective goggles with side shields in case of eye contact (HRN EN 166)
8.2.2.2.	Skin protection	
	Hand protection:	By prolonged contact or sensitive person should wear protective rubber gloves-Neoprene gloves or PVC (HRN EN 374) .
	Other body parts protection:	Wear suitable protective cotton clothing with long hose and sleeve. In case of hard working conditions with more quantities of product wear PVC clothing, Viton or rubber (HRN EN 14605).
8.2.2.3.	Respiratory Protection:	Under normal operating conditions respiratory protection equipment is not required. In case working with warm up fragrances it is necessary to provide intensive ventilation and elimination of perspired components.
8.2.2.4.	Heat hazard:	Under normal operating conditions respiratory protection equipment is not required. In case working with warm up fragrances it is necessary to provide intensive ventilation and elimination of perspired components.
8.2.3.	Environment exposure control	
	Measures for prevent exposure to substance/component:	Prevent contact with skin, eyes and clothes. Do not eat, drink or smoke while handling with product. Wash hands after break and after the work is done. Wash contaminated clothes before re-use.
	Structural measures for prevent exposure:	No data available
	Organisational measures for prevent exposure:	Adapt working process to working area requirement and environment requirement.
	Technical measures to prevent exposure:	Closed containers, concrete floor surfaces, cover up, adequate ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
9.1. Information on basic physical and chemical properties			
		Value	Method
	Appearance:	Liquid	No data available
	Colour:	No data available	No data available
	Odour:	No data available	No data available
	Odour threshold:	No data available	No data available
	pH:	No data available	No data available
	Melting/freezing point:	No data available	No data available
	Initial boiling point and boiling range:	>65°C	No data available
	Flash point:	No data available	No data available

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Evaporation rate:	No data available	No data available
Flammability (solid, gas):	-	No data available
Upper / lower flammability or upper / lower explosion limit:	No data available	No data available
Vapour pressure:	No data available	No data available
Vapour density:	No data available	No data available
Relative density:	0,870-0,950	No data available
Solubility(ies):	No data available	No data available
Topljivost(i):	No data available	No data available
Partition coefficient (n-octanol/water):	No data available	No data available
Auto-ignition temperature:	No data available	No data available
Decomposition temperature:	No data available	No data available
Viscosity:	No data available	No data available
Explosive properties:	No data available	No data available
Oxidizing properties:	No data available	No data available
9.2. Other information's:		
No data available		

SECTION 10: STABILITY AND REACTIVITY		
10.1.	Reactivity:	No data available.
10.2.	Chemical stability:	Under normal conditions of use and storage, compound is stable.
10.3.	Possibility of hazardous reactions:	No data available
10.4.	Conditions to be avoided:	Under normal conditions of use and storage, compound is stable
10.5.	Incompatible materials:	No data available
10.6.	Hazardous decomposition products	No data available

SECTION 11: TOXICOLOGICAL INFORMATION					
11.1. Information on toxicological effects					
Acute toxicity:					
2,6-dimethyloct-7-en-2-ol					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD ₅₀ : >4100 mg/kg	No data available	No data available

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Dermal:	No data available	No data available	LD50:	No data available	No data available
Inhalation:	No data available	No data available	No data available	No data available	No data available

Cineole

Route of exposure:	Method	Organism	Doza LD ₅₀ /LC ₅₀ ili ATE _{smjese}	Vrijeme izlaganja	Rezultat
Oral:	No data available	rat	LD50:2480 mg/kg	Nema podataka	Nema podataka
Dermal:	No data available	No data available	LD50	Nema podataka	Nema podataka
Inhalation:	No data available	No data available	No data available	Nema podataka	Nema podataka

4-tert-butylcyclohexyl acetate

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50:>3370 mg/kg	No data available	No data available
Dermal:	No data available	No data available	LD50	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

Linalool

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: >2790 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD50: >5610 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

Geraniol

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: >3600 mg/kg	No data available	No data available
Dermal:	No data available	No data available	LD50:	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

Pentyl salicylate

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Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: >2000 mg/kg	No data available	No data available
Dermal:	No data available	No data available	LD50:	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

Nerol

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50:>4500 mg/kg	No data available	No data available
Dermal:	No data available	No data available	LD50	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: >5000 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD50: >5000 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	No data available	No data available	No data available

Citral

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	No data available	LD50	No data available	No data available
Dermal:	No data available	rabbit	LD50: >2250 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

Pin-2(3)-ene

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50:>3500 mg/kg	No data available	No data available

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Dermal:	No data available	No data available	LD50:	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

2,4-dimethylcyclohex-3-ene-1-carbaldehyde

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50:>2500 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD50:>2500 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available

(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one

Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: >2.000 mg/kg	No data available	No data available
Dermal:	No data available	No data available	LD50: g	No data available	No data available
Inhalation:	No data available	No data available	LD50	No data available	No data available

STOT-single exposure

	Specific effect	Exposure organ	Note
Oral:	No data available	No data available	No data available
Dermal:	No data available	No data available	No data available
Inhalation:	No data available	No data available	No data available

Aspiration hazard:

(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one no aspiration irritant at concentration 1%

Corrosion/irritation:

E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one no aspiration irritant at concentration 1%

	Exposure duration	Organism	Evaluation	Method	Note
Skin corrosion/irritation:	No data available	rabbit	No data available	No data available	Not irritant for skin at conc. 100%
Serious eye damage/ irritation:	No data available	rabbit	No data available	No data available	Not eye irritant at conc. 100%

Sensitisation

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)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one						
OECD 429: negative at conc from 3,3%						
OECD 406: negative at conc from 10%						
HRIPT: positive at conc from 0,25-10%						
HRIPT: negative at conc from 0,5%, 1%, 0,2%						
Fotosensib.: negative at conc from 10%						
Skin sensitisation:	Organism: Guinea pig: no sensitisation at conc. 5%; sensitisation at 10%; Method: OECD 406					
Respiratory sensitisation:	No data available					
Symptoms related to physical, chemical and toxicological characteristics						
Oral:	No data available					
Dermal:	No data available					
Inhalation:	No data available					
Eye contact:	No data available					
Repeated dose toxicity (subacute, sub chronic, chronic)						
	Dose	Exposure duration	Organism	Evaluation	Method	Note
Oral subacute	No data available	No data available	No data available	No data available	No data available	No data available
Skin subacute	No data available	No data available	No data available	No data available	No data available	No data available
Inhalation subacute	No data available	No data available	No data available	No data available	No data available	No data available
Oral sub chronic	No data available	No data available	No data available	No data available	No data available	No data available
Skin sub chronic	No data available	No data available	No data available	No data available	No data available	No data available
Inhalation sub chronic	No data available	No data available	No data available	No data available	No data available	No data available
Oral chronic	No data available	No data available	No data available	No data available	No data available	No data available
Skin chronic	No data available	No data available	No data available	No data available	No data available	No data available
Inhalation chronic	No data available	No data available	No data available	No data available	No data available	No data available
Specific target organ toxicity-repeated exposure (TCOP):						
	Specific effect			Organ exposure		Note
Oral subacute	No data available			No data available		No data available

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Skin subacute	No data available	No data available	No data available
Inhalation subacute	No data available	No data available	No data available
Oral sub chronic	No data available	No data available	No data available
Skin sub chronic	No data available	No data available	No data available
Inhalation sub chronic	No data available	No data available	No data available
Oral chronic	No data available	No data available	No data available
Skin chronic	No data available	No data available	No data available
Inhalation chronic	No data available	No data available	No data available

Carcinogenicity, mutagenicity, reproductive toxicity	
Carcinogenicity:	No data available
Mutagenicity <i>in-vitro</i> :	No data available
Germ mutagenicity	No data available
Mutagenicity <i>in-vivo</i> :	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity:	No data available
Evaluation of CMR qualification:	
	No data available

11.2.	Practical experience:
	Observations relevant for classification: No data available
	Other observations: No data available
11.3.	Common use:
	No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1.	Toxicity					
Cineole						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀	96 h	No data available	No data available	57 mg/L	No data available
Crustacean(Daphnia Magna)	EC ₅₀	48 h	No data available	No data available	>100 mg/L	No data available

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Algae	EC ₅₀	72 h	No data available	No data available	>74 mg/L	No data available
Other organism-bacteria	EC ₅₀ :	-	No data available	No data available	No data available	No data available
Linalool						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀ : 27,8 mg/l	96 h	No data available	OECD 203	No data available	No data available
Crustacean(Daphnia Magna)	EC ₅₀ : 59 mg/l	48 h	No data available	OECD 202	No data available	No data available
Algae	EC ₅₀ : 88,3 mg/l	96 h	No data available	No data available	No data available	No data available
Other organism-bacteria	EC ₅₀ :	-	No data available	No data available	No data available	No data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀ : 10.9 mg/l	96 h	No data available	No data available	No data available	No data available
Crustacean(Daphnia Magna)	EC ₅₀ :	48 h	No data available	No data available	No data available	No data available
Algae	EC ₅₀ :	72 h	No data available	No data available	No data available	No data available
Other organism-bacteria	EC ₅₀ :	3 h	No data available	No data available	No data available	No data available
Citral						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀ : 6.78 mg/l	96 h	No data available	No data available	No data available	No data available
Crustacean(Daphnia Magna)	EC ₅₀ : 6.8 mg/l	48 h	No data available	No data available	No data available	No data available
Algae	EC ₅₀ : 103.9 mg/l	72 h	No data available	No data available	No data available	No data available
Other organism-bacteria	EC ₅₀ :	16 h	No data available	No data available	No data available	No data available
Mushrooms:	EC ₅₀ : > 160 mg/l	0,5 h	No data available	OECD 209	No data available	No data available
Chronic toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	NOEC	1440 h	No data available	No data available	No data available	No data available
Crustacean(Daphnia Magna)	NOEC	504 h	No data available	No data available	No data available	No data available

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Crustacean(Daphnia Magna)	NOEC	96 h	No data available	No data available	No data available	No data available
Algae	NOEC	96 h	No data available	No data available	No data available	No data available
Other organism-bacteria	EC50: > 160 mg/l	0,5 h	No data available	No data available	No data available	No data available

12.2. Persistence and degradability

Abiotic degradability

	Time of half degradation	Method	Evaluation	Note
Sea water	No data available	No data available	No data available	No data available
Fresh water	No data available	No data available	No data available	No data available
Air	No data available	No data available	No data available	No data available
Soil	No data available	No data available	No data available	No data available

Biodegradability

% degradation	Time (dates)	Method	Evaluation	Note
No data available	No data available	No data available	No data available	No data available
No data available	No data available	No data available	No data available	No data available
No data available	No data available	No data available	No data available	No data available

12.3. Bio accumulative potential

Partition coefficient octanol/water logPow

Value	Concentration	pH	°C	Method	Evaluation	Note
No data available	No data available	No data available	No data available	No data available	No data available	No data available
No data available	No data available	No data available	No data available	No data available	No data available	No data available
No data available	No data available	No data available	No data available	No data available	No data available	No data available

Bio concentration factor (BCF)

Value	Organism	Method	Evaluation	Note
No data available	No data available	No data available	No data available	No data available
No data available	No data available	No data available	No data available	No data available

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No data available	No data available	No data available	No data available	No data available
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Chronic toxicity to environment						
Value	Dose	Time of exposure	Organism	Method	Evaluation	Note
Chronic fish toxicity	LC ₅₀	No data available	No data available	No data available	No data available	No data available
Chronic Crustacean toxicity (Daphnia)	EC ₅₀	No data available	No data available	No data available	No data available	No data available

12.4. Mobility in soil:					
Mobility in environment					
Surface tension:					
	Value	°C	Concentration	Method	Note
	No data available	No data available	No data available	No data available	No data available
	No data available	No data available	No data available	No data available	No data available
	No data available	No data available	No data available	No data available	No data available

Adsorption/desorption					
Transport	Henry's constant	log Pow	Perspiration	Method	Note
Soil-water	No data available	No data available	No data available	No data available	No data available
Water -air	No data available	No data available	No data available	No data available	No data available
Soil-air	No data available	No data available	No data available	No data available	No data available

12.5. Results of PBT and vPvB
No data available

12.6. Other adverse effects
Toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
.

13.1.1. Residual waste / contaminated packaging
Waste must be collected separately and kept on the place-under surveillance-where the unauthorised personal cannot reach it.

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13.1.2. Waste code packaging:	
	15 01 01- paper and cardboard packaging 15 01 02- plastic packaging 15 01 03- wooden packaging 15 01 10*- packaging which contains danger products residuals or it is contaminated with dangerous substances
13.1.3. Waste treatment methods:	
	No data available
13.1.4. Possibility of spilling into sewage:	
	No data available
13.1.5. Other recommendations for waste disposal::	
	Waste treat method accord to local law regulation demands (see section 13. and .6.)
13.1.6. Relevant regulations:	
	EU directives, regulations and laws
SECTION 14: TRANSPORT DETAILS	
	ADR/RID
UN number:	3082
UN proper shipping name:	Environmentally hazardous substances N.O.S.
Transport hazard class:	9
Packing group:	III
Environmental hazards:	Yes
Special precautions for user:	Special provision: 274, 335, 375, 601; code restriction tunnel E; Hazardous class: 90
	RID
UN number:	-
UN proper shipping name:	..
Transport hazard class:	-
Packing group:	
Environmental hazards:	-

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Special precautions for user:	-
ADN	
UN number:	-
UN proper shipping name:	-
Transport hazard class:	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
IMDG	
UN number:	3082
UN proper shipping name:	Environmentally hazardous substances N.O.S.
Transport hazard class:	9
Packing group:	III
Environmental hazards:	Yes
Special precautions for user:	EMS: F-A, S-F,
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	-
ICAO-TI/IATA-DGR	
UN number:	3082
UN proper shipping name:	Environmentally hazardous substances N.O.S.
Transport hazard class:	9
Environmental hazards:	III
Special precautions for user:	964; A97, A158, A197; ERG: 9L
Additional information's: No data available	

SECTION 15: REGULATORY INFORMATION	
15.1.	Safety, health and environmental regulations/legislation specific for the mixture
	EU directive

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	Authorisation or/and usage restrictions	
	Authorisations:	-
	Restrictions:	-
	Other EU directives:	EU Directives
	Data's (directive 1999/13/EZ) about emission restrictions perspire organic compounds:	
	National directive:	-
15.2.	Evaluation of chemical safety	
	-	

SECTION 16: OTHER INFORMATION

16.1.	Changes mention:	-
16.2.	Abbreviation's:	<p>ADR- The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)</p> <p>ADN- The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</p> <p>(ADR)CLP- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures</p> <p>CAS – Chemical Abstract Service number</p> <p>CMR- Carcinogenic, mutagenic, repro toxic substances</p> <p>DPD – Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 ... to the classification, packaging and labelling of dangerous preparations.</p> <p>DSD – COUNCIL DIRECTIVE of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (67/548/EEC)</p> <p>EC number – EINECS and ELINCS number</p> <p>IATA – The International Air Transport Association (IATA)</p> <p>ICAO-TI – The technical instructions for safe Air traffic of dangerous goods</p> <p>IMDG- The International Maritime traffic of Dangerous Goods (IMDG)</p> <p>LD50- Lethal dose for 50% tested organisms</p> <p>PBT-Persistent, bio accumulative, toxic</p> <p>PNEC(s)- Predicted no-effect concentration</p> <p>RID- transport of dangerous goods by rail</p> <p>vPvB- very persistent, very bio accumulative</p>
16.3.	Key literature and data's source:	Original MSDS: (FIOR DI LOTO 85256 NEW S/S8 od 12.05.2017,ver.4) and national law regulative
16.4.	Classification and using classification procedures for compounds according to CLP directive	
	CLP Classification	Classification procedure
	Skin Irr. 2; H315	According to original manufacturer's MSDS
	Skin. Sens. 1; H317	According to original manufacturer's MSDS
	Eye Irr. 2; H319	According to original manufacturer's MSDS
	Aquatic Chronic 2; H411	According to original manufacturer's MSDS
16.5.	Adequately Hazard statements:(number and full text)	

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	H:	H225 H226 H304 H318 H302 H315 H317 H319 H400 H410 H411 H412 EUH208 EUH66	Highly flammable liquid and vapour. Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes serious eye damage. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 4-tert-butylcyclohexyl acetate, Linalool, Geraniol, Pin-2(10)-ene, Cineole, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde, Pin-2(3)-ene, Geranyl acetate, (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one. May produce an allergic reaction. Repeated exposure may cause skin dryness or cracking.
16.6.	Advices for practising	-	
16.7.	Detail notice:	None	
		<p>As we know, information's which are contained in that MSDS matches our present cognition about this product. This product cannot be used in other purposes then those mentioned in MSDS sections. In case mixing with different products it is necessary to check are there any additional hazards. In case this product is used against information's that provides manufacturer, manufacturer has no legal responsibility for those allegations. Always read label and information's on product.</p>	

**ATTACHMENT:
EXPOSURE SCENARIO IN ACCORDANCE WITH REPORT OF CHEMICAL SAFETY**