



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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

1.1.	Product identifier	
	Trade name:	SHAKE LUFTERFRISCHER AUTO GENTLEMAN SHAKE AIR FRESHENER CAR 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:	Shake Austria e.U.
	Address:	Pebering Stra 21, A - 5301 Eugendorf
	Telephone number:	+43 (0) 622 641 007
	e-mail of the person in charge:	welcome@shake.co.at
	National contact:	No data available
1.4.	Emergency telephone number	
	Department of emergency situations telephone number:	144
	Medical information's telephone number:	Tel Vergiftungszentrale sterreich: +43 1 4064343
	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.



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

2.2. Classification elements according to Regulation (EC) 1272/2008 [CLP]	
Product identifier:	SHAKE AIR FRESHENER GENLTEMAN
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



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

5989-27-5 227-813-5 601-029-00-7	01- 2119529223- 47	$\geq 7 < 10$	(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
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



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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
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.



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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.
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



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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.
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 safe 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.	



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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.

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	-	-	-



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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		
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		



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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
	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.



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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
	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



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

10.6.

Hazardous products

decomposition

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	LD50: >4100 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	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



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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
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	



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SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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
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



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SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

	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
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



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SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

Other organism-bacteria	EC50:	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	LC50: 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	EC50:	16 h	No data available	No data available	No data available	No data available
Mushrooms:	EC50: > 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
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



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SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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	
No data available	No data available	No data available		No data available	No data available	
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	



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SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

	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.				
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:				



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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:	-
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.



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SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

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

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:

-



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16.2.	Abbreviation's:	ADR- The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) ADN- The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADR)CLP- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures CAS – Chemical Abstract Service number CMR- Carcinogenic, mutagenic, repro toxic substances 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. 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) EC number – EINECS and ELINCS number IATA – The International Air Transport Association (IATA) ICAO-TI – The technical instructions for safe Air traffic of dangerous goods IMDG- The International Maritime traffic of Dangerous Goods (IMDG) LD50- Lethal dose for 50% tested organisms PBT-Persistent, bio accumulative, toxic PNEC(s)- Predicted no-effect concentration RID- transport of dangerous goods by rail vPvB- very persistent, very bio accumulative
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



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SHAKE LUFTERFRISCHER AUTO GENTLEMAN / SHAKE AIR FRESHENER CAR GENTLEMAN

16.5.	Adequately Hazard statements:(number and full text)	
	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.
	H304	May be fatal if swallowed and enters airways.
	H318	Causes serious eye damage.
	H302	Harmful if swallowed.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H400	Very toxic to aquatic life.
	H410	Very toxic to aquatic life with long lasting effects.
H:	H411	Toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.
	EUH208	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.
	EUH66	Repeated exposure may cause skin dryness or cracking.
16.6.	Advices for practising	-
16.7.	Detail notice:	None
		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.

ATTACHMENT:

EXPOSURE SCENARIO IN ACCORDANCE WITH REPORT OF CHEMICAL SAFETY