

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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


1.1. Product identifier	
Trade name:	SHAKE LUFTERFRISCHER AUTO COCONUT SHAKE AIR FRESHENER CAR COCONUT
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:	Strass 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 Österreich: +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 COCONUT / SHAKE AIR FRESHENER CAR COCONUT

2.2. Classification elements according to Regulation (EC) 1272/2008 [CLP]	
Product identifier:	SHAKE LUFTERFRISCHER AUTO COCONUT SHAKE AIR FRESHENER CAR COCONUT
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 Benzyl salicylate, (R)-p-mentha-1,8-diene, linalool, coumarine, 2E)-2-(phenylmethylidene)octanal, 3-p-cumenyl-2-methylpropionaldehyde, Ethyl 2,3-epoxy-3-phenylbutyrate, Allyl 3-cyclohexylpropionate, Octanal, 2-(phenylmethylene)-, (2Z). 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
1222-05-5 214-946-9 603-212-00-7	01- 2119488227- 29	>= 10 -< 12,5	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
78-70-6 201-134-4 -	01- 2119474016- 42	>= 3 -< 5	Linalool	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Eye Irr.; H319

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET			
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT			

118-58-1/ 204-262-9/ -	01- 2119969442- 31	$\geq 7 - < 10$	Benzyl salicylate	Skin. Sens. 1; H317 Aquatic chronic,2;H411 M=1
120-51-4 204-402-9 607-085-00-9	01- 2119976371- 33	$\geq 5 - < 7$	Benzyl benzoate	Acute Tox. 4; H302 Aquatic chronic,2;H411 M=1
105-95-3 203-347-8 -	01- 2119976314- 33	$\geq 5 - < 7$	Etil-brasilat	Aquatic chronic,2;H411
5989-27-5 227-813-5 601-029-00-7	01- 2119529223- 47	$\geq 5 - < 7$	(R)-p-mentha-1,8-diene	Flam. Liq. 3;H226 Asp. tokx. 1; H304 Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic Acute 1;H400 Aquatic chronic,1; H410
104-67-6 203-225-4 -	01- 2119959333- 34	$\geq 3 - < 5$	Undecan-4-olide	Aquatic chronic. 3; H412
4940-11-8 225-582-5 -	-	$\geq 3 - < 5$	2-ethyl-3-hydroxy-4-pyrone	Acute Tox. 4; H302
121-32-4 204-464-7 -	01- 2119958961- 24	$\geq 3 - < 5$	3-ethoxy-4- hydroxybenzaldehyde	Acute Tox. 4; H302 Skin Irr. 2, H315 Eye Irr.; H319 STOT SE 3; H335
103-95-7 203-161-7 -	01- 2119970582- 32	$\geq 1 - < 3$	3-p-cumenyl-2- methylpropionaldehyde	Skin Irr. 2, H315 Skin. Sens. 1; H317 Aquatic chronic,2;H411 M=1
121-33-5 204-465-2 -	01- 2119516040- 60	$\geq 1 - < 3$	Vanillin	Eye Irr.; H319
77-83-8 201-061-8 -	-	$\geq 1 - < 3$	Ethyl 2,3-epoxy-3- phenylbutyrate	Derm. senz. 1; H317 Aquatic chronic,2;H411 M=1
91-64-5 202-086-7 -	01- 2119943756- 26	$\geq 1 - < 3$	coumarine	Acute Tox. 3;H301 Acute Tox. 3;H311 Acute Tox. 3;H331 Skin. Sens. 1; H317 Aquatic chronic,2;H411 M=1

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET	
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT	

2705-87-5 220-292-5 -	01- 2119976355- 27	$\geq 1 < 3$	Allyl 3-cyclohexylpropionate	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4, H332 Skin. Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic chronic, 1; H410
115-95-7 204-116-4 -	01- 2119454789- 19	$\geq 1 < 3$	Linalyl acetate	Skin Irr. 2, H315 Eye Irr.; H319
123-68-2 204-642-4 -	-	$\geq 1 < 3$	Allyl hexanoate	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irr. 2, H315 Aquatic chronic, 2; H411 M=1
364364-06-7 - -	-	$\geq 0,25 < 0,5$	Octanal, 2- (phenylmethylene)-, (2Z)-	Skin. Sens. 1; H317 Aquatic Acute 1; H400 Aquatic chronic, 2; H411
128-37-0 204-881-4 -	01- 2119480433- 40	$\geq 0,1 < 0,25$	2,6-di-tert-butyl-p-cresol	Aquatic Acute 1; H400 M=1 Aquatic chronic, 1; H410 M=1
165184-98-5 639-566-4 -	01- 2119533092- 50	$\geq 7 < 10$	2E)-2- (phenylmethylidene)octanal	Skin. Sens. 1; H317 Aquatic Acute 1; H400 M=1 Aquatic chronic, 2; H411 M=1

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.	
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.	

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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 mist
	Unsuitable extinguishing media:	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 save 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:	

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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.

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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.

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	

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET			
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT			

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5	-	-	-
Linalool	78-70-6	-	-	-
Benzyl salicylate	118-58-1/	-	-	-
Benzyl benzoate	120-51-4	-	-	-
Etil-brasilat	105-95-3	-	-	-
(R)-p-mentha-1,8-diene	5989-27-5	-	-	-
Undecan-4-olide	104-67-6	-	-	-
2-ethyl-3-hydroxy-4-pyrone	4940-11-8	-	-	-
3-ethoxy-4-hydroxybenzaldehyde	121-32-4	-	-	-
3-p-cumenyl-2-methylpropionaldehyde	103-95-7	-	-	-
Vanillin	121-33-5	-	-	-
Ethyl 2,3-epoxy-3-phenylbutyrate	77-83-8	-	-	-
coumarine	91-64-5	-	-	-
Allyl 3-cyclohexylpropionate	2705-87-5	-	-	-
Linalyl acetate	115-95-7	-	-	-
Allyl hexanoate	123-68-2	-	-	-
Octanal, 2-(phenylmethylene)-, (2Z)-	364364-06-7	-	-	-
2,6-di-tert-butyl-p-cresol	128-37-0	-	10/-	-
2E)-2-(phenylmethylidene)octanal	165184-98-5	-	-	-

Substance name:	-
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EC No:	-	CAS No:	-
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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

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET			
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT			

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
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.

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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
	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:	0.970 - 1.050	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

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

	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:				
Benzyl benzoate					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD ₅₀ >1500 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD ₅₀ > 4000 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	No data available	No data available	No data available
Undecan-4-olide					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD ₅₀ >2000 mg/kg	No data available	No data available
Dermal:	No data available	rat	LD ₅₀ >2000 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LC ₅₀	No data available	No data available
2-ethyl-3-hydroxy-4-pyrone					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET				
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT				

Oral:	No data available	rat	LD50 1200 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	LC50	No data available	No data available

Coumarine powder					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50 293 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD50 293 mg/kg	No data available	No data available
Inhalation:	No data available	rat	LC50 293 mg/kg	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	LC50	No data available	No data available

3-p-cumenyl-2-methylpropionaldehyde					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50 >3810 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	LC50	No data available	No data available

Benzyl salicylate					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50 >2200 mg/kg	No data available	No data available
Dermal:	No data available	No data available	LD50	No data available	No data available

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET				
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT				

Inhalation:	No data available	No data available	LC50	No data available	No data available
Vanillin					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50 >3500mg/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	LC50	No data available	No data available
Allyl 3-cyclohexylpropionate					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50 480 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD50 1600 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LC50	No data available	No data available
2E)-2-(phenylmethylidene)octanal					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50 >3100 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	LC50	No data available	No data available
Allyl hexanoate					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50 >300 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD50 > 300 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LC50	No data available	No data available

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

3-ethoxy-4-hydroxybenzaldehyde					
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	rabbit	LD50 > 2.000 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LC50	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:					
Corrosion/irritation:					
Product					
	Exposure duration	Organism	Evaluation	Method	Note
Skin corrosion/irritation:	No data available	No data available	No data available	No data available	Skin irritant
Serious eye damage/ irritation:	No data available	No data available	No data available	No data available	Eye irritant
Sensitisation					
Skin sensitisation:	No data available				
Respiratory sensitisation:	Yes				
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				

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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	
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			

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

	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						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Etil-brasilat						
Fish	LC ₅₀	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	8.4mg/L	No data available
Algae	EC ₅₀	96 h	No data available	No data available	3.5 mg/L	No data available
Bacteria	-	-	No data available	No data available	No data available	No data available
Linalool						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC50: 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	EC50:	-	No data available	No data available	No data available	No data available
Undecan-4-olide						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET					
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT					

Fish	LC50: 21.5 mg/l	96 h	No data available	No data available	No data available	No data available
Crustacean(Daphnia Magna)	EC50: 59.6 mg/l	48 h	No data available	EU METHOD C.2	No data available	No data available
Algae	EC50: 63.5 mg/l	72 h	No data available	No data available	No data available	No data available
Other organism-bacteria	EC50: I	16 h	No data available	No data available	No data available	No data available

Cumarine

Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC50	96 h	No data available	No data available	1.324 mg/L	No data available
Crustacean(Daphnia Magna)	EC50	48 h	No data available	No data available	8.012 mg/L	No data available
Crustacean(Daphnia Magna)	EC50	96 h			1.283 mg/L	
Algae	EC50	96 h	No data available	No data available	1.452 mg/L	No data available
Other organism-bacteria	EC50: > 100 mg/l	3 h	No data available	No data available	No data available	No data available

3-ethoxy-4-hydroxybenzaldehyde

Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC50	96h	No data available	No data available	No data available	No data available
Crustacean	EC50	24 h	No data available	No data available	130 mg/l	No data available
Algae	EC50	96 h	No data available	No data available	No data available	No data available
Other organism Bacteria's	-	-	No data available	No data available	No data available	No data available

Cumarine

Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	NOEC	1440 h	No data available	No data available	0.119 mg/l	No data available
Crustacean	NOEC	504 h	No data available	No data available	0.448 mg/l	No data available
Algae	NOEC	96 h	No data available	No data available	0.056 mg/l	No data available

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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	
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						

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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:	
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

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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.
Transport hazard class:	9
Packing group:	III
Environmental hazards:	Yes
Special precautions for user:	EMS: F-A, S-F, Storage class: A
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.

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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: -

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

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

Shake Austria e.U.	SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET
	SHAKE LUFTERFRISCHER AUTO COCONUT / SHAKE AIR FRESHENER CAR COCONUT

16.5.	Adequately Hazard statements:(number and full text)	
H:	H226 H301 H304 H311 H331 H302 H312 H315 H317 H319 H332 H335 H400 H410 H411 H412 EUH208	Flammable liquid and vapour.. Toxic if swallowed. May be fatal if swallowed and enters airways. Toxic in contact with skin. Toxic if inhaled. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory 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 Benzyl salicylate, (R)-p-mentha-1,8-diene, linalool, coumarine, 2E)-2-(phenylmethylidene)octanal, 3-p-cumenyl-2-methylpropionaldehyde, Ethyl 2,3-epoxy-3-phenylbutyrate, Allyl 3-cyclohexylpropionate, Octanal, 2-(phenylmethylene)-, (2Z). May produce an allergic reaction.
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**