



Shake Austria e.U.

SICHERHEITSDATENBLATT / MATERIAL SAFETY DATA SHEET

SHAKE LUFTERFRISCHER AUTO LOTUS / SHAKE AIR FRESHENER CAR LOTUS

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

1.1.	Product identifier	
	Trade name:	SHAKE LUFTERFRISCHER AUTO LOTUS / SHAKE AIR FRESHENER CAR LOTUS
	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.		
2.2.	Classification elements according to Regulation (EC) 1272/2008 [CLP]	



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Product identifier:	SHAKE AIR FRESHENER LOTUS
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:	Contains Ioeugenol. EUH208- Contains (2E)-2-(phenylmethylidene)octanal, Linalool, 7-hydroxycitronellal, Hexyl salicylate, Octanal, 2-(phenylmethylene)-, (2Z)-, Cinnamyl alcohol. 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
165184-98-5 639-566-4 -	01- 2119533092- 50	>= 12 -< 15	2E)-2- (phenylmethylidene)octanal	Skin. Sens. 1; H317 Aquatic chronic 1;H410 M=1 Aquatic chronic,2;H411 M=1
78-70-6 201-134-4 -	01- 2119474016- 42	>= 7 -< 10	Linalool	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Eye Irr.; H319
63500-71-0 405-040-6 603-101-00-3	01- 0000015458- 64	>= 3 -< 5	2-(Isobutyl)-4-hydroxy-4- methyl tetrahydropyran	Eye Irr.; H319



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107-75-5 203-518-7 -	01- 2119973482- 31	≥ 3 -< 5	7-hydroxycitronellal	Skin. Sens. 1B; H317 Eye Irr.; H319
6259-76-3 228-408-6 -	01- 2119638275- 36	≥ 1 -< 3	Hexyl salicylate	Skin. Sens. 1; H317 Aquatic chronic 1;H410 M=1 Skin Irr. 2, H315
140-11-4 205-399-7 -	01- 2119638272- 42	≥ 1 -< 3	Benzyl acetate	Aquatic chronic. 3; H412
121-33-5 204-465-2 -	01- 2119516040- 60	≥ 1 -< 3	Vanillin	Eye Irr.; H319
60-12-8 200-456-2 -	01- 2119963921 -31	≥ 1 -< 3	2-phenylethanol	Acute Tox. 4; H302 Eye Irr.; H319
65113-99-7 265-453-0 -	-	≥ 1 -< 3	$\alpha,\beta,2,2,3$ - pentamethylcyclopent-3-ene-1- butanol	Eye Irr.; H319 Aquatic chronic,2;H411 M=1
97-54-1 202-590-7 -	-	$\geq 0,5$ -< 1	Isoeugenol	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin. Sens. 1; H317 Skin Irr. 2, H315 Eye Irr.; H319
364364-06-7 - -	-	$\geq 0,1$ -< 0,25	Octanal, 2-(phenylmethylene)-, (2Z)-	M=1 Skin. Sens. 1; H317 Aquatic Acute 1;H400 Aquatic chronic,2;H411
104-54-1 203-212-3 -	-	$\geq 0,25$ -< 0,5	Cinnamyl alcohol	M=1 Skin. Sens. 1; H317
81782-77-6 279-815-0 -	01- 2119983528- 21	$\geq 0,25$ -< 0,5	4-methyl-3-decen-5-ol	M=1 Skin. Sens. 1; H317

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:	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.)



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	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 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.



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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	
2E)-2-(phenylmethylidene)octanal	165184-98-5	-	-	-
Linalool	78-70-6	-	-	-
Florosol	63500-71-0	-	-	-
7-hydroxycitronellal	107-75-5	-	-	-
Hexyl salicylate	6259-76-3	-	-	-
Benzil acetat	140-11-4	-	-	-
Vanillin	121-33-5	-	-	-
2-feniletan-1-ol	60-12-8	-	-	-
Sandalore	65113-99-7	-	-	-
Izo Eugenol	97-54-1	-	-	-
(Octanal, 2-(phenylmethylene)-, (2Z)-	364364-06-7	-	-	-
Cinnamyl-alcohol	104-54-1	-	-	-
4-Metil-3-decen-5-ol	81782-77-6	-	-	-

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



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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.
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.



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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:	0.930 - 1.010	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



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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: Product is skin and eyes irritant.				
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	LD50:	No data available	No data available
Benzil acetat					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: 2490 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	LC50:	No data available	No data available
Linalol					
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



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Dermal:	No data available	rabbit	LD ₅₀ > 5610 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LC ₅₀	No data available	No data available
Florosol					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	OECD 401	rat	LD ₅₀ : >5000 mg/kg	No data available	No data available
Dermal:	OECD 402	rabbit	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
7-hydroxycitronellal					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD ₅₀ : >6400 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD ₅₀ : >2000 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	No data available	No data available	No data available
2-feniletan-1-ol					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	mouse	LD ₅₀ : >1580 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD ₅₀ : 2535 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	No data available	No data available	No data available
lzo Eugenol					
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 : >1900 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	No data available	No data available	No data available



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Vanilin					
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	No data available	No data available	No data available
Cinnamyl alcohol					
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	No data available	LD50:	No data available	No data available
Inhalation:	No data available	No data available	LD50:	No data available	No data available
4-Metil-3-decen-5-ol					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: >8000 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
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	



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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	Florosol: no mutagenicity: method OECD 471
Reproductive toxicity:	No data available

Evaluation of CMR qualification: No data available

11.2.	Practical experience:
	Observations relevant for classification: No data available



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	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
7-hydroxycitronellal						
Fish	LC ₅₀	96 h	No data available	No data available	31.6 mg/L	No data available
Crustacean(Daphnia Magna)	EC ₅₀	48 h	No data available	No data available	410 mg/L	No data available
Algae	IC ₅₀	72 h	No data available	No data available	123.32 mg/L	No data available
Other organism-mushrooms	NOEC	1464 h	No data available	No data available	No data available	No data available
Linalol						
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	72 h	No data available	No data available	123.32 mg/L	No data available
Other organism-bacteria	EC ₅₀ :	1464 h	No data available	No data available	No data available	No data available
Benzil acetat						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀ : 4 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



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Florosol						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC50: 354 mg/l	96 h	No data available	No data available	No data available	No data available
Crustacean(Daphnia Magna)	EC ₅₀ : 803 mg/l	48 h	No data available	No data available	No data available	No data available
Algae	EC ₅₀ : >94 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
Chronic toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	NOEC	1440 sati	No data available	No data available	No data available	No data available
Crustacean	NOEC	504 sati	No data available	No data available	No data available	No data available
Algae	NOEC	96 sati	No data available	No data available	No data available	No data available
Other organism Bacteria's	NOEC	96 sati	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	No data available	
Fresh water	No data available	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	No data available	
Soil	No data available	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	No data available	No data available	No data available	
12.3. Bio accumulative potential						
Partition coefficient octanol/water logPow						



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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	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	No data available	No data available	No data available	
Adsorption/desorption						
Transport	Henry's constant	log Pow	Perspiration	Method	Note	



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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:

EU directives, regulations and laws

SECTION 14: TRANSPORT DETAILS

ADR/RID

UN number:

3082



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



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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:	<p>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</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



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16.5.	Adequately Hazard statements:(number and full text)	
	H:	H302 Harmful if swallowed. H312 Harmful in contact with skin. 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. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains (2E)-2-(phenylmethylidene)octanal, Linalool, 7-hydroxycitronellal, Hexyl salicylate, Octanal, 2-(phenylmethylene)-, (2Z)-, Cinnamyl alcohol. 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**