

Shake Austria e.U.	SICHERHEITSDATENBLATT Seiten 1/21, Erstellt am 16.08.2017. gemäß der Verordnung EG / 1907/2006. Ausgabe 2. MATERIAL SAFETY DATA SHEET Pages 1/21, Created on 16.08.2017. according to Regulation EC / 1907/2006. Edition 2.
	SHAKE Duftpad für Kleiderschränke CEDAR & VANILLE SHAKE fragrance pad for wardrobe CEDAR&VANILLA

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1.	Product identifier
	Trade name: SHAKE Duftpad für Kleiderschränke CEDAR & VANILLE SHAKE fragrance pad for wardrobe CEDAR&VANILLA
	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: Fragrance granules for cabinets. Fragrances Shake bags contain 100% of natural granules, which are enriched with fragrant composition based on essential oils. Expected odour duration: 6 weeks. A way of using fragrance granules for wardrobe: remove the fragrant sacks from the protective foil and place them in to the drawer, the clothes box or the closet. If you want to hang the bags in the closet, use the attached hooks as it is shown on the picture. For small area, use only one bag. For medium to large area at least two bags. WARNING: Do not use bags in the washing machine or a dryer. Avoid direct contact of scented bags with clothes and laundry. Keep out of reach of children, food, drink and animal feed. Content is not edible.
	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:
	- -

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2.1.2.	Additional information's	
	No data available	
**Full text of H i EUH statements is available in section 16.		
2.2.	Classification elements according to Regulation (EC) 1272/2008 [CLP]	
	Product identifier:	SHAKE Duftpad für Kleiderschränke CEDAR & VANILLE SHAKE fragrance pad for wardrobe CEDAR&VANILLA
	Identification number:	-
	Authorisation number:	-
	Hazard pictograms:	-
	Signal word:	-
	Hazard statements:	-
	Precautionary statements: lavender,	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 Contain 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Linalool, d-limonen, Coumarine, Citronellol, α -methyl-1,3-benzodioxole-5-propionaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, Octanal, 2-(phenylmethylene)-(2Z), Pin-2(10)-ene, Geranyl acetate, Citral. 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	≥ 12.5 -< 15	2,6-dimethyloct-7-en- 2-ol	Skin Irr. 2, H315 Eye Irr. 2.; H319
54464-57-2 259-174-3 -	01- 2119489989- 04-0000	≥ 7 -< 10	1-(1,2,3,4,5,6,7,8- octahydro-2,3,8,8-	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic Acute 1; H400

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			tetramethyl-2-naphthyl)ethan-1-one	M=1
165184-98-5 639-566-4 -	01- 2119533092- 50	>= 7 -< 10	(2E)-2-(phenylmethylidene)oc tanal	Skin. Sens. 1; H317 Aquatic chronic 2;H411 M=1 Aquatic Acute 1;H400 M=1
78-70-6 201-134-4 -	01- 2119474016- 42	>= 5 -< 7	Linalool	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Eye Irr. 2.; H319
115-95-7 204-116-4 -	01- 2119454789- 19	>= 5 -< 7	Linalyl acetate	Skin Irr. 2, H315 Eye Irr. 2.; H319
5989-27-5 227-813-5 601-029-00-7	01- 2119958629- 18	>= 5 -< 7	d-limonen	Flam. Liq. 3; H226 Aspir. Tox 1; H304 Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic chronic 1;H410 Aquatic Acute 1;H400
121-33-5 204-465-2 -	01- 2119516040- 60	>= 3 -< 5	Vanillin	Eye Irr. 2.; H319
1222-05-5 214-946-9 603-212-00-7	01- 2119488227- 29	>= 3 -< 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
91-64-5 202-086-7 -	01- 2119943756- 26	>= 1 -< 3	Coumarine	Acute Tox. 3;H301 Acute Tox. 3;H311 Acute Tox. 3;H331 Skin. Sens. 1; H317 Aquatic chronic 2;H411
106-22-9 203-375-0 -	01- 2119453995- 23	>= 0,5 -< 1	Citronellol	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Eye Irr. 2.; H319
1205-17-0 214-881-6 -	-	>= 0,5 -< 1	α -methyl-1,3- benzodioxole-5- propionaldehyde	Skin. Sens. 1; H317 Aquatic chronic 2;H411
80-54-6 201-289-8 -	01- 2119485965- 18	>= 0,5 -< 1	2-(4-tert- butylbenzyl)propional dehyde	Acute Tox. 4; H302 Skin Irr. 2, H315 Skin. Sens. 1B; H317 Repr. 2; H361f Aquatic chronic 2;H411
2050-08-0 218-080-2 -	-	>= 0,5 -< 1	Pentyl salicylate	Aquatic chronic 1;H410

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364364-06-7 -	-	$\geq 0,5 - < 1$	Octanal, 2-(phenylmethylene)-, (2Z)	Skin. Sens. 1; H317 Aquatic chronic 2; H411 Aquatic Acute 1; H400
127-91-3 204-872-5 -	-	$\geq 0,25 - < 0,5$	Pin-2(10)-ene	Aspir. Tox 1; H304 Flam. Liq. 3; H226 Skin. Sens. 1; H317 Aquatic chronic 2; H411 Aquatic Acute 1; H400
105-87-3 203-341-5 -	01- 2119973480- 35	$\geq 0,1 - < 0,25$	Geranyl acetate	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Aquatic chronic 3; H412 M=1
5392-40-5 226-394-6 605-019-00-3	01- 2119462829- 23	$\geq 0,1 - < 0,25$	Citral	Skin Irr. 2, H315 Skin. Sens. 1B; H317 Eye Irr. 2.; H319

SECTION 4: FIRST AID MEASURES											
4.1.	Description of first aid measures										
	<table border="1"> <tr> <td>General information's:</td> <td>In case if the symptoms persist, consult a physician.</td> </tr> <tr> <td>Inhalation:</td> <td>In case of inhaling the vapour/aerosols remove the victim (move out / take out) to fresh air; and seek medical attention.</td> </tr> <tr> <td>Skin contact:</td> <td>Remove all contaminated clothing and shoes. Rise affected area with liquid, lukewarm water and soap with mild soap. Seek medical attention if symptoms persist. Contaminated clothing should be washed before re-use.</td> </tr> <tr> <td>Eye contact:</td> <td>Wash hands, spread the lids with clean fingers and rinse the eye with running lukewarm water for 15 minutes. If injured person wears contact lenses, remove them with clean fingers if it is easily before this procedure. Immediately asks for the help of an ophthalmologist.</td> </tr> <tr> <td>Ingestion:</td> <td>DO NOT induce vomiting under any circumstances. IMMEDIATELY get medical attention.</td> </tr> </table>	General information's:	In case if the symptoms persist, consult a physician.	Inhalation:	In case of inhaling the vapour/aerosols remove the victim (move out / take out) to fresh air; and seek medical attention.	Skin contact:	Remove all contaminated clothing and shoes. Rise affected area with liquid, lukewarm water and soap with mild soap. Seek medical attention if symptoms persist. Contaminated clothing should be washed before re-use.	Eye contact:	Wash hands, spread the lids with clean fingers and rinse the eye with running lukewarm water for 15 minutes. If injured person wears contact lenses, remove them with clean fingers if it is easily before this procedure. Immediately asks for the help of an ophthalmologist.	Ingestion:	DO NOT induce vomiting under any circumstances. IMMEDIATELY get medical attention.
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Ingestion:	DO NOT induce vomiting under any circumstances. IMMEDIATELY get medical attention.										
4.2.	Most important symptoms and effects, both acute and delayed										
	<table border="1"> <tr> <td>After inhalation:</td> <td>Not expected</td> </tr> <tr> <td>After skin contact:</td> <td>It can cause redness, burning, drying, rash.</td> </tr> <tr> <td>After eye contact:</td> <td>It is unlikely considering the way of use. It can cause redness, burning, tearing, blurred vision</td> </tr> <tr> <td>After ingestion:</td> <td>It is unlikely considering the way of use</td> </tr> </table>	After inhalation:	Not expected	After skin contact:	It can cause redness, burning, drying, rash.	After eye contact:	It is unlikely considering the way of use. It can cause redness, burning, tearing, blurred vision	After ingestion:	It is unlikely considering the way of use		
After inhalation:	Not expected										
After skin contact:	It can cause redness, burning, drying, rash.										
After eye contact:	It is unlikely considering the way of use. It can cause redness, burning, tearing, blurred vision										
After ingestion:	It is unlikely considering the way of use										
4.3.	Immediate medical attention and special treatment needed										
	Treatment should be symptomatic. Treat as instructed by your doctor.										

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

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

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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 (5-25 °C) 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.
7.3.	Specific end use(s)	
	Recommendations:	No data available.
	Special solutions for the industrial sector:	No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION				
8.1.	Control parameters			
Substance	CAS No.	Occupational exposure limits (GVII/KGVI)		Biological exposure limits
		ppm	mg/m ³	
2,6-dimethyloct-7-en-2-ol	18479-58-8	-	-	-

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1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	-	-	-
(2E)-2-(phenylmethylidene)octanal	165184-98-5	-	-	-
Linalool	78-70-6	-	-	-
Linalyl acetate	115-95-7	-	-	-
Vanillin	121-33-5	-	-	-
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5	-	-	-
Coumarine	91-64-5	-	-	-
Citronellol	106-22-9	-	-	-
α -methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	-	-	-
2-(4-tert-butylbenzyl)propionaldehyde	80-54-6	-	-	-
Pentyl salicylate	2050-08-0	-	-	-
Octanal, 2-(phenylmethylene)-, (2Z)	364364-06-7	-	-	-
Pin-2(10)-ene	127-91-3	-	-	-
Geranyl acetate	105-87-3	-	-	-
Citral	5392-40-5	-	-	-

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 -

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Consumer				
Route of exposure:	Acute local effects	Acute systematic effects	Chronical local effects	Chronical systematic effects
Orally	No data available	No data available	No data available	No data available
Inhalation	No data available	No data available	No data available	No data available
Dermally	No data available	No data available	No data available	No data available
PNEC				
Protected environmental object			PNEC	
Freshwater			No data available	
Freshwater sediments			No data available	
Seawater			No data available	
Seawater sediments			No data available	
Nutritional chain			No data available	
Sewage treatment plant			No data available	
Soil			No data available	
Air			No data available	
8.2.	Charge of exposure			
8.2.1.	Adequate control appliance,			
	Measures to prevent exposure while recommended handling:	Avoid contact with eyes and skin. Use personal protective clothes as required.		
	Structure measures to prevent exposure:	No data available		
	Organisation measures to prevent exposure:	No data available		
	Technical measures to prevent exposure:	Ensure enough air exchange / transition in work areas.		
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:	In case of prolonged direct contact and sensitive skin 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		

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		necessary to provide intensive ventilation and elimination of perspired components.
8.2.2.4.	Heat hazard:	No data available.
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:	Characteristic	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:	No data available	No data available
	Flash point:	>65 °C	No data available
	Evaporation rate:	No data available	No data available
	Flammability (solid, gas):	No data available	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:	0,910-0,990	No data available
	Solubility(ies):	No data available	No data available
	Partition coefficient	No data available	No data available

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	(n-octanol/water):		
	Auto-ignition temperature:	No data available	No data available
	Decomposition temperature:	No data available	No data available
	Viscosity:	No data available	No data available
	Explosive properties:	No data available	No data available
	Oxidizing properties:	No data available	No data available
9.2.	Other information's:		
	No data available		

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

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

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Inhalation:	No data available	No data available	No data available	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	LD ₅₀ >3100 mg/kg	No data available	No data available
Dermal:	No data available	No data available	LD ₅₀	No data available	No data available
Inhalation:	No data available	No data available	LD ₅₀	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	LD ₅₀ : >2790 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD ₅₀ : >5610 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	No data available	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	LD ₅₀ : 293 mg/kg	No data available	No data available
Dermal:	No data available	rat	LD ₅₀ : 293 mg/kg	No data available	No data available
Inhalation:	No data available	rat	LC ₅₀ : 293 mg/kg	No data available	No data available
Citronellol					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD ₅₀ : >3450 mg/kg	No data available	No data available
Dermal:	No data available	rabbit	LD ₅₀ : >2650 mg/kg	No data available	No data available
Inhalation:	No data available	No data available	LD ₅₀	No data available	No data available
α-methyl-1,3-benzodioxole-5-propionaldehyde					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD ₅₀ : 3600 mg/kg	No data available	No data available

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Dermal:	No data available	rabbit	LD ₅₀	No data available	No data available
Inhalation:	No data available	No data available	No data available	No data available	No data available
2-(4-tert-butylbenzyl)propionaldehyde					
Route of exposure:	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{compound}	Time of exposure	Result
Oral:	No data available	rat	LD50: 1.390 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	rat	LD50:>0.18 mg/l	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
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
STOT-single exposure					
	Specific effect		Exposure organ	Note	
Oral:	No data available		No data available	No data available	No data available
Dermal:	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
Aspiration hazard:					
No data available.					

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Corrosion/irritation:						
Product						
	Exposure duration	Organism	Evaluation	Method	Note	
Skin corrosion/irritation:	No data available	rabbit	No data available	No data available	Skin irritant	
Serious eye damage/irritation:	No data available	rabbit	No data available	No data available	Not an eye irritant	
Sensitisation						
Skin sensitisation:	2-(4-tert-butylbenzyl)propionaldehyde: Does not cause hypersensitivity; Organism: pig					
Respiratory sensitisation:	2-(4-tert-butylbenzyl)propionaldehyde: Does not cause hypersensitivity; Organism: pig					
Symptoms related to physical, chemical and toxicological characteristics						
Oral:	No data available					
Dermal:	No data available					
Inhalation:	No data available					
Eye contact:	No data available					
Repeated dose toxicity (subacute, sub chronic, chronic)						
	Dose	Exposure duration	Organism	Evaluation	Method	Note
Oral subacute	No data available	No data available	No data available	No data available	No data available	No data available
Skin subacute	No data available	No data available	No data available	No data available	No data available	No data available
Inhalation subacute	No data available	No data available	No data available	No data available	No data available	No data available
Oral sub chronic	No data available	No data available	No data available	No data available	No data available	No data available
Skin sub chronic	No data available	No data available	No data available	No data available	No data available	No data available
Inhalation sub chronic	No data available	No data available	No data available	No data available	No data available	No data available
Oral chronic	No data available	No data available	No data available	No data available	No data available	No data available
Skin chronic	No data available	No data available	No data available	No data available	No data available	No data available
Inhalation chronic	No data available	No data available	No data available	No data available	No data available	No data available

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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	
	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.		

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SECTION 12: ECOLOGICAL INFORMATION						
12.1. Toxicity						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Coumarine						
Fish	LC ₅₀	96 h	No data available	No data available	1.324 mg/L	No data available
Crustacean	EC ₅₀	48 h	No data available	No data available	8.012 mg/L	No data available
Crustacean	EC ₅₀	96 h	No data available	No data available	1.283 mg/L	No data available
Algae	EC ₅₀	72 h	No data available	No data available	1.452 mg/L	No data available
Other organism	-	-	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	96 h	No data available	OECD 203	27,8 mg/l	No data available
Crustacean (Daphnia Magna)	EC ₅₀	48 h	No data available	OECD 202	59 mg/l	No data available
Algae	EC ₅₀	96 h	No data available	No data available	88,3 mg/l	No data available
Other organism-bacteria	EC50:	-	No data available	No data available	No data available	No data available
2-(4-tert-butylbenzyl)propionaldehyde						
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC ₅₀	96 h	No data available	No data available	LC50: 2.04 mg/l	No data available
Crustacean (Daphnia magna)	EC ₅₀	48 h	No data available	No data available	EC ₅₀ : 10.7 mg/l	No data available
Algae	EC ₅₀	72 h	No data available	No data available	EC ₅₀ : 29.16 mg/l	No data available
Bacteria	EC ₅₀	16 h	No data available	DIN 38412, Part VIII, Aerobic	EC50: > 8000 mg/l	No data available
Mushrooms	-	0,5 h	No data available	DIN EN ISO 8192, aerobic	EC50: > 100 mg/l	No data available
Coumarine						

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Cronic 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 (Daphnia magna)	NOEC	504 h	No data available	No data available	0.448 mg/l	No data available
Crustacean (Daphnia magna)	NOEC	96 h	No data available	No data available	0.056 mg/l	No data available
Algae	NOEC	96 h	No data available	No data available	0.408 mg/l	No data available
Mushrooms	EC50	0,5 h	No data available	OECD 209	EC50: > 160 mg/l	No data available

Citral

Cronic toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	LC50	96 h	No data available	No data available	LC50: 6.78 mg/l	No data available
Crustacean (Daphnia magna)	EC ₅₀ :	48 h	No data available	No data available	EC ₅₀ : 6.8 mg/l	No data available
Algae	EC ₅₀ :	72 h	No data available	No data available	EC ₅₀ : 103.9 mg/l	No data available
Bacteria	EC50:	16 h	No data available	No data available	EC50:	No data available
Mushrooms	EC50	0,5 h	No data available	OECD 209	EC50: > 160 mg/l	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
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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
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	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	

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	No data available	No data available	No data available	No data available	No data available
	No data available	No data available	No data available	No data available	No data available
Adsorption/desorption					
Transport	Henry's constant	log Pow	Perspiration	Method	Note
Soil-water	No data available	No data available	No data available	No data available	No data available
Water -air	No data available	No data available	No data available	No data available	No data available
Soil-air	No data available	No data available	No data available	No data available	No data available
12.5. Results of PBT and vPvB					
No data available					
12.6. Other adverse effects					
The product is hazardous to the aquatic environment with long lasting effects.					
SECTION 13. DISPOSAL CONSIDERATIONS					
13.1. Waste treatment methods					
Waste must be collected separately and kept on the place-under surveillance-where the unauthorised personal cannot reach it.					
13.1.1. Residual waste / contaminated packaging					
DO NOT leak into the environment and municipal waste. Recycle if possible. Legal persons: Keep track of the amount of waste at the warehouse. When handing over the waste, hand it over to the authorized collector with the accompanying documentation (Attachment Sheet).					
13.1.2. Waste code packaging:					
15 01 01- paper and cardboard packaging 15 01 02- plastic packaging					
13.1.3. Waste treatment methods:					
No data available.					
13.1.4. Possibility of spilling into sewage:					
No data available.					

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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, Liquid, N.O.S.
Transport hazard class:	9
Packing group:	III
Environmental hazards:	YES
Special precautions for user:	Special Provisions: 274, 335, 375, 601; Tuning restriction . E; Hazard class: 90
	IMDG
UN number:	3082
UN proper shipping name:	Environmentally Hazardous Substances, Liquid, N.O.S.
Transport hazard class:	9
Packing group:	III
Environmental hazards:	YES
Special precautions for user:	EMS: F-A, S-F
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	-
	ICAO-TI/IATA-DGR
UN number:	3082
UN proper shipping name:	Environmentally Hazardous Substances, Liquid, 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

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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: -
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: ((CONC.LAVANDA new 54937/4 od 31.01.2017,ver.3) and national law regulative
16.4.	Classification and using classification procedures for compounds according to CLP directive
	CLP Classification Classification procedure
	-

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16.5.	Adequately Hazard statements:(number and full text)	
	H226	Flammable liquid and vapour.
	H228	Flammable solid
	H301	Harmful if swallowed.
	H302	May be fatal if swallowed and enters airways.
	H304	May be fatal if swallowed and enters airways
	H311	Toxic in contact with skin
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction
	H318	Causes serious eye damage.
	H319	Causes serious eye irritation.
H:	H361f	Suspected of damaging fertility or the unborn child
	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	Contain 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Linalool, d-limonen, Coumarine, Citronellol, α -methyl-1,3-benzodioxole-5-propionaldehyde, 2-(4-tert-butylbenzyl)propionaldehyde, Octanal, 2-(phenylmethylene)-, (2Z), Pin-2(10)-ene, Geranyl acetate, Citral. 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**