

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

1.1. Product identifier

Product name : WELLNESS AIROMATHERAPY BEADS AIR BEADS - CHAMOMILE
 Product code : 755558004634-CH
 UFI : V200-U0CW-500M-Q7NF

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application : SU21 Consumer product. PC3 Other air care products. Airfreshener.

1.3. Details of the supplier of the safety data sheet

Supplier : inSPAration Inc.
 11950 Hertz Ave.
 CA 93021 Moorpark, United States of America
 Telephone : +1-805.553.0820
 Website : www.inSPAration.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
 US - Telephone : +1-805.553.0820 (During office hours only)

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

CLP classification : Skin sensitization, category 1. Hazardous to the aquatic environment — Chronic category 2. (1272/2008/EC)
 Human health hazards : May cause an allergic skin reaction.
 Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives. Combustible.
 Environmental hazards : Toxic to aquatic life with long lasting effects.

2.2. Label elements

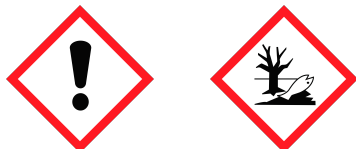
Label elements (1272/2008/EC):

Hazard pictograms :  

Signal word : Warning

H- and P-phrases : H317 May cause an allergic skin reaction.
 H411 Toxic to aquatic life with long lasting effects.
 P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 gloves Wear protective gloves.
 P302+P352 IF ON SKIN: Wash with plenty of water/soap.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P273 Avoid release to the environment.
 P391 Collect spillage.
 P501 Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:
Hazard pictograms :



Signal word : Warning

H- and P-phrases :

H317	May cause an allergic skin reaction.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280 gloves	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)
: Contains: Alpha-Amylcinnamaldehyde ; Benzyl salicylate ; Piperonal ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; Alpha-methyl-1,3-benzodioxole-5-propionaldehyde ; d-Limonene ; Dimethylcyclohex-3-ene-1-carboxaldehyde ; Isocyclocitral .

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS *

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
2-tert-Butylcyclohexyl acetate	10 - < 30	88-41-5	201-828-7		
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	5 - < 10	1222-05-5	214-946-9		
2-Benzylideneheptanal	5 - < 10	122-40-7	204-541-5		
Benzyl salicylate	1 - < 5	118-58-1	204-262-9		
2-Phenylethanol	1 - < 5	60-12-8	200-456-2		
Piperonal	1 - < 5	120-57-0	204-409-7		
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	1 - < 5	54464-57-2	259-174-3		
(Z)-3-hexenyl salicylate	1 - < 2,5	65405-77-8	265-745-8		
p-Anisaldehyde	1 - < 5	123-11-5	204-602-6		
Undecan-4-olide	1 - < 5	104-67-6	203-225-4		
Allyl heptanoate	1 - < 5	142-19-8	205-527-1		
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1 - < 2,5	1205-17-0	214-881-6		
Benzyl acetate	1 - < 5	140-11-4	205-399-7		
d-Limonene	1 - < 5	5989-27-5	227-813-5		
Dimethylcyclohex-3-ene-1-carboxaldehyde	0,1 - < 1	68737-61-1	272-113-5		
Isocyclocitral	0,1 - < 1	1335-66-6	215-638-7		

Substance name	Hazard Class	H-phrases	Pictograms
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2-tert-Butylcyclohexyl acetate	Aquatic Chronic 2	H411	GHS09	
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Aquatic Acute 1; Aquatic Chronic 1	H400; H410	GHS09	M (chronic) = 1
2-Benzylideneheptanal	Skin Sens. 1B; Aquatic Chronic 2	H317; H411	GHS07; GHS09	
Benzyl salicylate	Eye Irrit. 2; Aquatic Chronic 3; Skin Sens. 1B	H319; H412; H317	GHS07	
2-Phenylethanol	Acute Tox. 4; Eye Irrit. 2	H302; H319	GHS07	
Piperonal	Skin Sens. 1B	H317	GHS07	
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 1	H315; H317; H410	GHS07; GHS09	M (chronic) = 1
(Z)-3-hexenyl salicylate	Aquatic Acute 1; Aquatic Chronic 1	H400; H410	GHS09	M (acute) = 1 M (chronic) = 1
p-Anisaldehyde	Aquatic Chronic 3	H412		
Undecan-4-olide	Aquatic Chronic 3	H412		
Allyl heptanoate	Acute Tox. 3; Acute Tox. 3; Aquatic Acute 1; Aquatic Chronic 3	H301; H311; H400; H412	GHS06; GHS09	M (acute) = 1
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Skin Sens. 1B; Repr. 2; Aquatic Chronic 2	H317; H361fd; H411	GHS07; GHS08; GHS09	
Benzyl acetate	Aquatic Chronic 3	H412		
d-Limonene	Flam. Liq. 3; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 3	H226; H304; H315; H317; H400; H412	GHS02; GHS07; GHS08; GHS09	M (acute) = 1
Dimethylcyclohex-3-ene-1-carboxaldehyde	Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2	H315; H317; H411	GHS07; GHS09	
Isocyclocitral	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2; Aquatic Chronic 3	H315; H317; H319; H412	GHS07	

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Not applicable under normal conditions of use. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
- Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

4.2. Most important symptoms and effects, both acute and delayed

Effects and symptoms

- Inhalation : No specific effects and/or symptoms are known.
- Skin contact : May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin.
- Eye contact : May cause stinging of eyes and redness.

Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Suitable : Carbondioxide (CO₂). Foam. Dry chemical. Water fog.
Not suitable : Water jet. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : None known.
Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material.

6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike. Waste product should not be allowed to contaminate soil or water.
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Keep away from sources of ignition — No smoking. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents.

Recommended packaging : Keep only in the original container.
 Non recommended packaging : None known.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments	Source
Benzyl acetate		5	-		MAC: LT
d-Limonene		28	80		MAC: DE, CH

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Dermal				28,85 mg/kg bw/day
2-Benzylideneheptanal	Inhalation				5,29 mg/m ³
	Inhalation				3,71 mg/m ³
	Dermal	0,24 mg/kg bw		0,24 mg/kg bw/day	0,625 mg/kg bw/day
Benzyl salicylate	Inhalation				7,8 mg/m ³
	Dermal				2,21 mg/kg bw/day
2-Phenylethanol	Inhalation				59,9 mg/m ³
	Dermal				21,2 mg/kg bw/day
Piperonal	Inhalation				17,6 mg/m ³
	Dermal				2,5 mg/kg bw/day
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Inhalation				30 mg/m ³
	Dermal			0.648 mg/kg bw/day	28.7 mg/kg bw/day
(Z)-3-hexenyl salicylate	Inhalation				1,59 mg/m ³
	Dermal				0,9 mg/kg bw/day
p-Anisaldehyde	Dermal				3,33 mg/kg bw/day
	Inhalation				5,88 mg/m ³
Undecan-4-olide	Inhalation				19 mg/m ³
	Dermal				5,38 mg/kg bw/day
Allyl heptanoate	Inhalation				16 mg/m ³
	Dermal				4,7 mg/kg bw/day
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Inhalation				1,2 mg/m ³
	Dermal			0,01 mg/kg bw/day	0,17 mg/kg bw/day
Benzyl acetate	Inhalation				9 mg/m ³
	Dermal				2.5 mg/kg bw/day

d-Limonene	Inhalation				66,7 mg/m3
	Dermal				9,5 mg/kg bw/day

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Dermal				14,43 mg/kg bw/day
	Inhalation				1,3 mg/m3
2-Benzylideneheptanal	Oral				0,75 mg/kg bw/day
	Dermal	0,12 mg/kg bw		0,12 mg/kg bw/day	1,25 mg/kg bw/day
Benzyl salicylate	Inhalation				0,922 mg/m3
	Dermal				1,37 mg/m3
	Oral				0,79 mg/kg bw/day
2-Phenylethanol	Inhalation				0,79 mg/kg bw/day
	Dermal				17,7 mg/m3
	Oral		5,1 mg/kg bw		12,7 mg/kg bw/day
Piperonal	Inhalation				5,1 mg/kg bw/day
	Dermal				4,3 mg/m3
	Oral				1,25 mg/kg bw/day
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphyl)ethan-1-one	Inhalation				1,25 mg/kg bw/day
	Dermal			0,380 mg/kg bw/day	9 mg/m3
(Z)-3-hexenyl salicylate	Oral				17.2 mg/kg bw/day
	Inhalation				3 mg/kg bw/day
	Dermal				0,39 mg/m3
p-Anisaldehyde	Oral				0,45 mg/kg bw/day
	Inhalation				0,23 mg/kg bw/day
	Dermal				1,74 mg/m3
Undecan-4-olide	Oral				2 mg/kg bw/day
	Inhalation				1 mg/kg bw/day
	Dermal				4,68 mg/m3
Allyl heptanoate	Oral				2,7 mg/kg bw/day
	Inhalation				2,7 mg/kg bw/day
	Dermal				4,1 mg/m3
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Oral				2,3 mg/kg bw/day
	Inhalation				2,3 mg/kg bw/day
	Dermal			0,005 mg/kg bw/day	0,29 mg/m3
Benzyl acetate	Oral				0,083 mg/kg bw/day
	Inhalation				0,17 mg/kg bw/day
	Dermal				2.2 mg/m3
d-Limonene	Oral		6,25 mg/kg bw		1.3 mg/kg bw/day
	Inhalation				1.3 mg/kg bw/day
	Dermal				16,6 mg/m3
	Oral				4,8 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Water	0,0044 mg/l	0,0004 mg/l	
	Sediment	2 mg/kg	0,394 mg/kg	
	Intermittent water			0,047 mg/l
	STP			1 mg/l
	Soil			0,31 mg/kg
2-Benzylideneheptanal	Oral			3,3 mg/kg food
	Water	0.002 mg/l	0 mg/l	
	Sediment	1.6 mg/kg	0.16 mg/kg	
	STP			100 mg/l
Benzyl salicylate	Soil			0.317 mg/kg
	Water	0.001 mg/l	0 mg/l	
	Sediment	0.583 mg/kg	0.058 mg/kg	
	Intermittent water			0,01030 mg/l
	STP			10 mg/l
2-Phenylethanol	Soil			1.41 mg/kg
	Oral			52.7 mg/kg food
	Water	0,215 mg/l	0,0215 mg/l	
	Sediment	1,454 mg/kg	0,1454 mg/kg	
	Intermittent water			2,15 mg/l
Piperonal	STP			10 mg/l
	Soil			0,164 mg/kg
	Water	0,0025 mg/l	0,00025 mg/l	
	Sediment	0,0119 mg/kg	0,0012 mg/kg	
	Intermittent water			0,025 mg/l
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	STP			10 mg/l
	Soil			0,00084 mg/kg
	Water	0.0044 mg/l	0.00044 mg/l	
	Sediment	3.73 mg/kg	0.75 mg/kg	
	Intermittent water			10 mg/l
(Z)-3-hexenyl salicylate	Soil			2.7 mg/kg
	Oral			26.7 mg/kg food
	Water	0,00061 mg/l	0,000061 mg/l	
	Sediment	0,11 mg/kg	0,011 mg/kg	
	Intermittent water			0,0061 mg/l
p-Anisaldehyde	STP			10 mg/l
	Soil			0,0217 mg/kg
	Oral			40 mg/kg food
	Water	0,013 mg/l	0,0013 mg/l	
	Sediment	0,06 mg/kg	0,006 mg/kg	
Undecan-4-olide	Intermittent water			0,8111 mg/l
	STP			8,5 mg/l
	Soil			0,004 mg/kg
	Water	0,0058 mg/l	0,00058 mg/l	
	Sediment	0,628 mg/kg	0,063 mg/kg	
Allyl heptanoate	Intermittent water			0,058 mg/l
	STP			80 mg/l
	Soil			0,122 mg/kg
	Oral			66,7 mg/kg food
	Water	0,00012 mg/l	0,000012 mg/l	
	Sediment	0,012 mg/kg	0,0012 mg/kg	
	Intermittent water			0,0012 mg/l
	STP			10 mg/l
	Soil			0,00233 mg/kg
	Oral			51,78 mg/kg food

Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Water	0,005 mg/l	0,001 mg/l	
	Sediment	0,057 mg/kg	0,006 mg/kg	10 mg/l
	STP			0,008 mg/kg
Benzyl acetate	Soil			
	Water	0.018 mg/l	0.002 mg/l	
	Sediment	0.526 mg/kg	0.053 mg/kg	
	Intermittent water			0,04 mg/l
d-Limonene	STP			8,55 mg/l
	Soil			0.094 mg/kg
	Water	0.014 mg/l	0.0014 mg/l	
	Sediment	3.85 mg/kg	0.385 mg/kg	
	STP			1.8 mg/l
	Soil			0.763 mg/kg
	Oral			133 mg/kg food

8.2. Exposure controls

Engineering measures : Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: laminated film. Indication of permeation breakthrough time: 6 hours.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.

Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: laminated film. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	Impregnated material.
Colour	: Yellow.	
Odour	: Perfumed.	
Odour threshold	: Not known.	Not measured. Not relevant.
pH	: Not applicable.	Waterfree product.
Solubility in water	: Not soluble.	
Partition coefficient (n-octanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: 100 °C	
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 200 °C	

Boiling point/boiling range	: > 100 °C	
Melting point/melting range	: Not known.	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,7 (d-Limonene)
	:	Upper explosion limit in air (%): 11,9 (2-Phenylethanol)
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: Not known.	
Relative vapour density	: > 1	(air = 1)
Relative density (20°C)	: 1,003 g/ml	
Particle characteristics	: Not applicable.	Liquid.

9.2. Other information

Other information : Not relevant.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

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11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological research has been carried out on this product.

Inhalation

- | | |
|----------------------|---|
| Acute toxicity | : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 56 %. ATE: > 5 mg/l. Not classified - based on available data, the classification criteria are not met. No specific effects and/or symptoms are known. |
| Corrosion/irritation | : Not classified - based on available data, the classification criteria are not met. |
| Sensitisation | : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met. |

- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Skin contact
 - Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
 - Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.
 - Sensitisation : May cause sensitisation by skin contact. May produce an allergic reaction.
 - Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Eye contact
 - Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
- Ingestion
 - Acute toxicity : Calculated LD50: > 3297 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
 - Aspiration : Contains a substance/substances with an aspiration hazard. Not classified - based on available data, the classification criteria are not met.
 - Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
 - Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
 - Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
 - Reprotoxicity : Development: Not classified - Based on available data, the classification criteria are not met. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
2-Benzylideneheptanal	Mutagenicity	Not mutagenic	OECD 471	Salmonella typhimurium
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rabbit
	Skin irritation	Non-irritant	-----	Rabbit
	Skin sensitisation	2942 ug/cm ²	OECD 429	Mouse
	LD50 (oral)	2220 mg/kg bw	-----	Rat
	Eye irritation	Non-irritant	-----	Rabbit
	LC50 (inhalation) - estimate	> 5000 mg/m ³	Read across	Rat
Benzyl salicylate	Skin irritation	Non-irritant	Patch test	Human
	NOAEL (fertility, oral)	158 mg/kg bw/d	OECD 421	Rat
	Skin sensitisation	725 ug/cm ²	OECD 429	Mouse
	NOAEL (oral)	177 mg/kg bw/d	OECD 408	Rat
	Skin irritation	Non-irritant	OECD 404	Rabbit
	NOAEL (development, oral)	158 mg/kg bw/d	OECD 421	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Chinese Hamster
	Eye irritation	Moderately irritant	-----	Rabbit
	LD50 (oral) - estimate	> 2000 mg/kg bw	Read across	
LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across		
Piperonal	LD50 (dermal)	> 5000 mg/kg bw	OECD 402	Rat
	LD50 (oral)	2700 mg/kg bw	OECD 401	Rat
	NOAEL (oral)	500 mg/kg bw/d	OECD 408	Rat

	NOEL (carcinogenicity, oral)	250 mg/kg bw/d	OECD 453	Rat
	Genotoxicity - in vitro	Not genotoxic	OECD 473	Chinese Hamster
	Genotoxicity - in vivo	Not genotoxic	OECD 478	Mouse
	Skin irritation	Slightly irritant	-----	Guinea pig
	Eye irritation	Non-irritant	OECD 405	Rabbit
	NOAEL (fertility, oral)	250 mg/kg bw/d	OECD 478	Rat
	Skin sensitisation	Sensitizing.		Guinea pig
	NOAEL (development, oral)	250 mg/kg bw/d	OECD 421	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Skin irritation	Non-irritant	-----	Rabbit
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Skin sensitisation	6825 ug/cm2	OECD 429	Mouse
	LD50 (oral)	> 5000 mg/kg bw	-----	Rat
	LD50 (dermal)	> 5000 mg/kg bw	-----	Rat
	Mutagenicity	Not mutagenic	OECD 471	-----
	NOAEL (development, oral)	480 mg/kg bw/d	OECD 414	Rat
	LC50 (inhalation) - estimate	> 22360 mg/m3	Read across	
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Skin sensitisation	4100 ug/cm2	OECD 429	-----
	NOAEL (dermal)	> 300 mg/kg bw/d	-----	Rat
	NOAEL (development, oral)	> 500 mg/kg bw/d		Rat
	Skin irritation	Non-irritant		
	LD50 (oral)	3600 mg/kg bw	-----	Rat
	LD50 (dermal)	> 2000 mg/kg bw	-----	Rabbit
	Skin irritation	Non-irritant		
	NOAEL (fertility, oral)	100 mg/kg bw/d	OECD 422	Rat
	Genotoxicity - in vivo	> 2000 mg/kg bw/d		Rat
	NOEL (carcinogenicity, oral)	> 300 mg/kg bw/d	OECD 451	Rat
	Eye irritation	Non-irritant	OECD 405	Rabbit
	Mutagenicity	Negative	OECD 471	
	Skin sensitisation	5500 ug/cm2	OECD 429	Mouse
	NOAEL (development, oral)	600 mg/kg bw/d		Rat
	Skin irritation	Irritant	-----	-----
	LD50 (dermal)	> 2000 mg/kg bw	-----	Rabbit
	LD50 (oral)	> 2000 mg/kg bw	OECD 423	Rat
	Genotoxicity - in vitro	Not genotoxic		
	NOAEL (oral)	150 mg/kg bw/d		Rat
Isocyclocitral	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	LD50 (oral)	4000 mg/kg bw		Rat

11.2. Information on other hazards

Endocrine disrupting properties : Not applicable.
Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

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12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Toxic to aquatic organisms. Calculated LC50 (fish): 2 mg/l. Calculated EC50 (waterflea): 2 mg/l.
Contains 0 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence – degradability : May cause long-term adverse effects in the aquatic environment.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Endocrine disrupting properties

Endocrine disrupting properties : Not applicable.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
2-tert-Butylcyclohexyl acetate	LC50 (fish)	1,7 mg/l	----	----
	EC50 (waterflea)	17 mg/l	----	----
2-tert-Butylcyclohexyl acetate	Log P(ow)	3,96		
	Ultimate aerobic biodegradation (%)	2 %	OECD 301 B	
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	IC50 (algae)	> 0,85 mg/l	OECD 201	Pseudokirchnerella subcapitata
	NOEC (waterflea) - chronic	0,111 mg/l.d	OECD 202	Daphnia magna
	LC50 (fish)	1,36 mg/l	OECD 204	Lepomis macrochirus
	NOEC (fish)	0,068 mg/l.d	OECD 210	Pimephales promelas
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	EC50 (waterflea)	0,47 mg/l	----	----
	Log P(ow)	5,9		
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	BCF	1584		
	Ultimate aerobic biodegradation (%)	65 %	OECD 301 B	
2-Benzylideneheptanal	IC50 (algae)	1,88 mg/l	OECD 201	Selenastrum capricornutum
	EC50 (waterflea)	1,1 mg/l	OECD 202	Daphnia magna
	LC50 (fish)	3 mg/l	OECD 203	Brachydanio rerio
2-Benzylideneheptanal	Log P(ow)	4,7		
	EC50 (waterflea)	1,38 mg/l	OECD 202	----
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	IC50 (algae)	> 2,6 mg/l	OECD 201	----
	LC50 (fish)	1,3 mg/l	OECD 203	----

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Log P(ow)	5,23		
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	BCF	600		
(Z)-3-hexenyl salicylate	Ultimate aerobic biodegradation (%)	89 %	OECD 301 F	
	LC50 (fish) - estimate	1,13 mg/l		Brachydanio rerio
	EC50 (waterflea)	3,7 mg/l	OECD 202	Daphnia magna
	IC50 (alga)	0,61 mg/l	OECD 201	Desmodesmus subspicatus
(Z)-3-hexenyl salicylate	Log P(ow)	4,57		
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	EC50 (waterflea)	8,3 mg/l	OECD 202	Daphnia magna
	LC50 (fish)	> 4,6 mg/l	OECD 203	Oncorhynchus mykiss
	IC50 (alga)	28 mg/l	OECD 201	Pseudokirchnerella subcapitata
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Log P(ow)	2,4		

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

- Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues, impregnated wipes and non-empty pack as hazardous waste.
- Additional warning : None.
- Waste water discharge : Do not dispose into the environment, in drains or in water courses.
- European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
- Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

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14.1. UN number or ID number

UN nr. : UN 3082

14.2. UN proper shipping name

Transport name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)

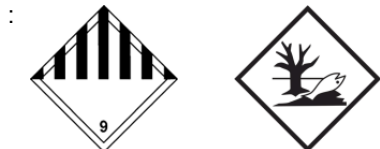
Transport name (IMDG, IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 9
 Classification code : M6
 Packaging group : III
 Danger label : 9 + the "environmentally hazardous substance" mark.

Tunnel restriction code : (-)



Other information : Not intended for carriage by tank-vessels on inland waterways. This product is not regulated as a dangerous good when transported in sizes of <= 5 L or <= 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 (Special provisions 375).

IMDG (sea)

Class : 9
 Packaging group : III
 EmS (fire / spill) : F - A / S - F
 Marine pollutant : Yes
 Other information : This product is not regulated as a dangerous good when transported in sizes of <= 5 L or <= 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 (IMDG code 37-14, 2.10.2.7).

IATA (air)

Class : 9
 ERG code : 9L

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Maritime transport in bulk according to IMO instruments

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant
SU	: Sector of Use
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
UFI	: Unique formula identifier
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Skin Sens. 1/1A/1B	: Calculation method.
Aquatic Chronic 2	: Calculation method.

Full text of hazard classes mentioned in section 3:

Flam. Liq. 3	: Flammable liquid, category 3.
Acute Tox. 3	: Acute toxicity, category 3.
Acute Tox. 4	: Acute toxicity, category 4.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Irrit. 2	: Eye irritation, category 2.
Skin Sens. 1/1A/1B	: Skin sensitization, category 1/1A/1B.
Repr. 2	: Reproductive toxicity, category 2.
Asp. Tox. 1	: Aspiration hazard, category 1.
Aquatic Chronic 1	: Hazardous to the aquatic environment — Chronic category 1.
Aquatic Chronic 2	: Hazardous to the aquatic environment — Chronic category 2.
Aquatic Chronic 3	: Hazardous to the aquatic environment — Chronic category 3.
Aquatic Acute 1	: Hazardous to the aquatic environment — Acute category 1.

Full text of H-phrases mentioned in section 3:

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	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.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

End of safety data sheet.