

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

**1.1. Product identifier**

Product name : WELLNESS AIROMATHERAPY BEADS AIR BEADS - CLARY SAGE  
 Product code : 755558004634-CS  
 UFI : T500-C029-G003-DK7H

**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 Europe  
 Industrieweg 8b  
 5571 LJ Bergeijk, The Netherlands

Telephone : +31 497 555562  
 E-mail : info@insparation.com

Supplier : inSPAration Inc.  
 11950 Hertz Ave.  
 Moorpark, United States of America

Telephone : +1-805.553.0820

**1.4. Emergency telephone number**

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:  
 NL - Telephone : +31 497 555562 (During office hours only)

**SECTION 2 HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

CLP classification (1272/2008/EC) : Skin irritation, category 2. Eye irritation, category 2. Skin sensitization, category 1. Hazardous to the aquatic environment — Chronic category 2.

Human health hazards : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

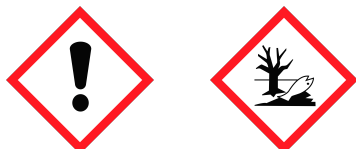
Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives. Combustible.

Environmental hazards : Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

Label elements (1272/2008/EC):

Hazard pictograms :

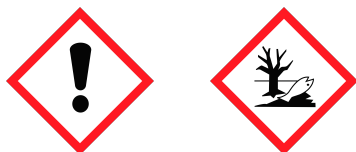


Signal word : Warning

H- and P-phrases	:	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.
		P101	If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.  
P280 hands Wear protective gloves and eye protection.  
eyes  
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 hands Wear protective gloves and eye protection.  
eyes  
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: 7-Hydroxycitronellal ; Benzyl salicylate ; d-Limonene ; Alpha-Amylcinnamaldehyde ; Linalool ; 3-(p-Ethylphenyl)-2,2-dimethylpropionaldehyde ; Linalyl acetate ; allyl phenoxyacetate ; 4-tert-Butylcyclohexyl acetate ; Dimethylcyclohex-3-ene-1-carboxaldehyde ; Geranyl acetate ; Neryl acetate ; Eugenol ; Citronellol .

### 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-Methylpentane-2,4-diol	50 - 75	107-41-5	203-489-0		
7-Hydroxycitronellal	1 - < 5	107-75-5	203-518-7		
Benzyl salicylate	1 - < 5	118-58-1	204-262-9		
d-Limonene	1 - < 5	5989-27-5	227-813-5		
2-Benzylideneheptanal	1 - < 2,5	122-40-7	204-541-5		
2-tert-Butylcyclohexyl acetate	1 - < 2,5	88-41-5	201-828-7		
2-Phenylethanol	1 - < 5	60-12-8	200-456-2		
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1 - < 2,5	1222-05-5	214-946-9		
Undecan-4-olide	1 - < 5	104-67-6	203-225-4		
Benzyl acetate	1 - < 5	140-11-4	205-399-7		
2,6-Dimethyloct-7-en-2-ol	1 - < 5	18479-58-8	242-362-4		

1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	1 - < 2,5	21145-77-7	244-240-6		
Linalool	1 - < 5	78-70-6	201-134-4		
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	1 - < 2,5	127-51-5	204-846-3		
3-(p-Ethylphenyl)-2,2-dimethylpropionaldehyde	0,1 - < 1	67634-15-5	266-819-2		
Linalyl acetate	0,1 - < 1	115-95-7	204-116-4		
allyl phenoxyacetate	0,1 - < 1	7493-74-5	231-335-2		
4-tert-Butylcyclohexyl acetate	0,1 - < 1	32210-23-4	250-954-9		
Dimethylcyclohex-3-ene-1-carboxaldehyde	0,1 - < 1	68737-61-1	272-113-5		
Geranyl acetate	0,1 - < 1	105-87-3	203-341-5		
Neryl acetate	0,1 - < 1	141-12-8	205-459-2		
Allyl (3-methylbutoxy)acetate	0,25 - < 1	67634-00-8	266-803-5		
Eugenol	0,1 - < 1	97-53-0	202-589-1		
Citronellol	0,1 - < 1	106-22-9	203-375-0		
Benzyl benzoate	0,1 - < 1	120-51-4	204-402-9		

Substance name	Hazard Class	H-phrases	Pictograms	
2-Methylpentane-2,4-diol	Skin Irrit. 2; Eye Irrit. 2	H315; H319	GHS07	
7-Hydroxycitronellal	Skin Sens. 1B; Eye Irrit. 2	H317; H319	GHS07	
Benzyl salicylate	Eye Irrit. 2; Aquatic Chronic 3; Skin Sens. 1B	H319; H412; H317	GHS07	
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
2-Benzylideneheptanal	Skin Sens. 1B; Aquatic Chronic 2	H317; H411	GHS07; GHS09	
2-tert-Butylcyclohexyl acetate	Aquatic Chronic 2	H411	GHS09	
2-Phenylethanol	Acute Tox. 4; Eye Irrit. 2	H302; H319	GHS07	
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
Undecan-4-olide	Aquatic Chronic 3	H412		
Benzyl acetate	Aquatic Chronic 3	H412		
2,6-Dimethyloct-7-en-2-ol	Skin Irrit. 2; Eye Irrit. 2	H315; H319	GHS07	
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 1	H302; H400; H410	GHS07; GHS09	M (acute) = 1
Linalool	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Aquatic Chronic 2	H411	GHS09	
3-(p-Ethylphenyl)-2,2-dimethylpropionaldehyde	Skin Irrit. 2; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 2	H315; H317; H400; H411	GHS07; GHS09	M (acute) = 1
Linalyl acetate	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
allyl phenoxyacetate	Acute Tox. 4; Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1B	H302; H312; H315; H317	GHS07	

4-tert-Butylcyclohexyl acetate	Skin Sens. 1B	H317	GHS07	
Dimethylcyclohex-3-ene-1-carboxaldehyde	Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2	H315; H317; H411	GHS07; GHS09	
Geranyl acetate	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 3	H315; H317; H412	GHS07	
Neryl acetate	Skin Sens. 1B	H317	GHS07	
Allyl (3-methylbutoxy)acetate	Acute Tox. 4; Acute Tox. 2; Aquatic Acute 1; Aquatic Chronic 1	H302; H330; H400; H410	GHS06; GHS09	M (acute) = 1 M (chronic) = 1
Eugenol	Skin Sens. 1B; Eye Irrit. 2	H317; H319	GHS07	
Citronellol	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Benzyl benzoate	Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 2	H302; H400; H411	GHS07; GHS09	M (acute) = 1

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.
- 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

- Skin contact : Irritant. May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin.
- Eye contact : Irritant. May cause redness and pain.
- 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****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. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

**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/m<sup>3</sup>):

Chemical name	Country	TWA 8 hour (mg/m3)	STEL 15 min (mg/m3)	Comments	Source
2-Methylpentane-2,4-diol	GB	123	123	-	EH40/2005
2-Methylpentane-2,4-diol		49	49	-	Lowest reported value, CH
d-Limonene		28	80		MAC: DE, CH
Benzyl acetate		5	-		MAC: LT

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
2-Methylpentane-2,4-diol	Inhalation	98 mg/m3		49 mg/m3	14 mg/m3
	Dermal				2 mg/kg bw/day
7-Hydroxycitronellal	Inhalation				18 mg/m3
	Dermal			0.5 mg/kg bw/day	1,9 mg/kg bw/day
Benzyl salicylate	Inhalation				7,8 mg/m3
	Dermal				2,21 mg/kg bw/day
d-Limonene	Inhalation				66,7 mg/m3
	Dermal				9,5 mg/kg bw/day
2-Benzylideneheptanal	Inhalation				3,71 mg/m3
	Dermal	0,24 mg/kg bw		0,24 mg/kg bw/day	0,625 mg/kg bw/day
2-Phenylethanol	Inhalation				59,9 mg/m3
	Dermal				21,2 mg/kg bw/day
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
Undecan-4-olide	Inhalation				5,29 mg/m3
	Dermal				19 mg/m3
Benzyl acetate	Inhalation				5,38 mg/kg bw/day
	Dermal				9 mg/m3
2,6-Dimethyloct-7-en-2-ol	Dermal				2,5 mg/kg bw/day
	Dermal				7 mg/kg bw/day
Linalool	Inhalation				24.7 mg/m3
	Inhalation				24.58 mg/m3
	Dermal	3 mg/kg bw		3 mg/kg bw/day	3.5 mg/kg bw/day
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Inhalation				8.22 mg/m3
	Dermal				0.375 mg/kg bw/day
Linalyl acetate	Dermal	0,2362 mg/kg bw		0,2362 mg/kg bw/day	2,5 mg/kg bw/day
	Dermal				2,75 mg/m3
allyl phenoxyacetate	Inhalation				2,47 mg/m3
	Inhalation				0,875 mg/kg bw/day
	Dermal				62,59 mg/m3
Geranyl acetate	Inhalation				35,5 mg/kg bw/day
	Dermal				7.24 mg/m3
Neryl acetate	Inhalation				2.05 mg/kg bw/day
	Dermal				1,4 mg/kg bw/day
Allyl (3-methylbutoxy)acetate	Dermal				4,93 mg/m3
	Inhalation				21,2 mg/m3
Eugenol	Inhalation				6 mg/kg bw/day
	Dermal				161,6 mg/m3
Citronellol	Inhalation	10 mg/m3		10 mg/m3	327,4 mg/kg bw/day
	Dermal	2,950 mg/kg bw			

Benzyl benzoate	Inhalation Dermal		102 mg/m3		5,1 mg/m3 2,6 mg/kg bw/day
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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
2-Methylpentane-2,4-diol	Inhalation Dermal	49 mg/m3		25 mg/m3	3,5 mg/m3
	Oral				1 mg/kg bw/day
7-Hydroxycitronellal	Inhalation Dermal			0,5 mg/kg bw/day	1 mg/kg bw/day
	Oral				5,4 mg/m3
Benzyl salicylate	Inhalation Dermal				1,1 mg/kg bw/day
	Oral				0,6 mg/kg bw/day
d-Limonene	Inhalation Dermal				1,37 mg/m3
	Oral				0,79 mg/kg bw/day
2-Benzylideneheptanal	Inhalation Dermal	0,12 mg/kg bw		0,12 mg/kg bw/day	0,79 mg/kg bw/day
	Oral				16,6 mg/m3
2-Phenylethanol	Inhalation Dermal		5,1 mg/kg bw		4,8 mg/kg bw/day
	Oral				4,8 mg/kg bw/day
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Inhalation Dermal				0,167 mg/kg bw/day
	Oral				1,25 mg/kg bw/day
Undecan-4-olide	Inhalation Dermal				0,922 mg/m3
	Oral				17,7 mg/m3
Benzyl acetate	Inhalation Dermal		6,25 mg/kg bw		12,7 mg/kg bw/day
	Oral				5,1 mg/kg bw/day
2,6-Dimethyloct-7-en-2-ol	Inhalation Dermal				14,43 mg/kg bw/day
	Oral				1,3 mg/m3
Linalool	Inhalation Dermal	1,5 mg/kg bw		1,5 mg/kg bw/day	0,75 mg/kg bw/day
	Oral				4,68 mg/m3
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Inhalation Dermal				2,7 mg/kg bw/day
	Oral				2,7 mg/kg bw/day
Linalyl acetate	Inhalation Dermal	0,2362 mg/kg bw		0,2362 mg/kg bw/day	2,2 mg/m3
	Oral				1,3 mg/kg bw/day
allyl phenoxyacetate	Inhalation Dermal				1,3 mg/kg bw/day
	Oral				2,5 mg/kg bw/day
Geranyl acetate	Inhalation				4,35 mg/m3

Neryl acetate	Dermal			17,75 mg/kg bw/day
	Oral			8,9 mg/kg bw/day
Allyl (3-methylbutoxy)acetate	Inhalation			1.09 mg/m3
	Dermal			0.733 mg/kg bw/day
Eugenol	Oral			0.733 mg/kg bw/day
	Oral			0,5 mg/kg bw/day
Citronellol	Dermal			0,87 mg/kg bw/day
	Inhalation	10 mg/m3	10 mg/m3	5,22 mg/m3
Benzyl benzoate	Dermal	2,950 mg/kg bw		3 mg/kg bw/day
	Oral			3 mg/kg bw/day
	Inhalation		25 mg/m3	47,8 mg/m3
	Dermal			196,4 mg/kg bw/day
	Oral		78 mg/kg bw	13,8 mg/kg bw/day
	Inhalation			1,25 mg/m3
	Dermal			1,3 mg/kg bw/day
	Oral			0,4 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
2-Methylpentane-2,4-diol	Water	0,429 mg/l	0,0429 mg/l	
	Sediment	1,79 mg/kg	0,179 mg/kg	
	Intermittent water			4,29 mg/l
	STP			20 mg/l
	Soil			0,11 mg/kg
7-Hydroxycitronellal	Oral			100 mg/kg food
	Water	0.0316 mg/l	0.00316 mg/l	
	Sediment	0.145 mg/kg	0.015 mg/kg	
	STP			10 mg/l
	Soil			0.011 mg/kg
Benzyl salicylate	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
	Soil			1.41 mg/kg
d-Limonene	Oral			52.7 mg/kg food
	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
2-Benzylideneheptanal	Oral			133 mg/kg food
	Water	0.002 mg/l	0 mg/l	
	Sediment	1.6 mg/kg	0.16 mg/kg	
	STP			100 mg/l
	Soil			0.317 mg/kg
2-Phenylethanol	Water	0,215 mg/l	0,0215 mg/l	
	Sediment	1,454 mg/kg	0,1454 mg/kg	
	Intermittent water			2,15 mg/l
	STP			10 mg/l
	Soil			0,164 mg/kg
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



Undecan-4-olide	Oral			3,3 mg/kg food
	Water	0,0058 mg/l	0,00058 mg/l	
	Sediment	0,628 mg/kg	0,063 mg/kg	
	Intermittent water			0,058 mg/l
	STP			80 mg/l
Benzyl acetate	Soil			0,122 mg/kg
	Oral			66,7 mg/kg food
	Water	0.018 mg/l	0.002 mg/l	
	Sediment	0.526 mg/kg	0.053 mg/kg	
	Intermittent water			0,04 mg/l
2,6-Dimethyloct-7-en-2-ol	STP			8,55 mg/l
	Soil			0.094 mg/kg
	Water	0,0278 mg/l	0,0027 mg/l	
	Sediment	0,594 mg/kg	0,0594 mg/kg	
	Intermittent water			0,278 mg/l
Linalool	STP			10 mg/l
	Soil			0,103 mg/kg
	Oral			111 mg/kg food
	Water	0,2 mg/l	0,02 mg/l	
	Sediment	2,22 mg/kg	0,222 mg/kg	
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Intermittent water			2 mg/l
	STP			10 mg/l
	Soil			0,327 mg/kg
	Oral			7,8 mg/kg food
	Water	0.00143 mg/l	0.000143 mg/l	
Linalyl acetate	Sediment	0.443 mg/kg	0.0443 mg/kg	
	STP			10 mg/l
	Soil			0.0878 mg/kg
	Water	0,011 mg/l	0,001 mg/l	
	Sediment	0,609 mg/kg	0,061 mg/kg	
4-tert-Butylcyclohexyl acetate	Intermittent water			0,11 mg/l
	STP			1 mg/l
	Soil			0,115 mg/kg
	Water	0,0053 mg/l	0,00053 mg/l	
	Sediment	2,01 mg/kg	0,21 mg/kg	
Geranyl acetate	Intermittent water			0,053 mg/l
	STP			12,2 mg/l
	Soil			0,42 mg/kg
	Oral			66,76 mg/kg food
	Water	0,00372 mg/l	0,000372 mg/l	
Neryl acetate	Sediment	0,442 mg/kg	0,442 mg/kg	
	Intermittent water			0,0372 mg/l
	STP			8 mg/l
	Soil			0,0859 mg/kg
	Water	0.0049 mg/l	0.00049 mg/l	
Allyl (3-methylbutoxy)acetate	Sediment	0.455 mg/kg	0.045 mg/kg	
	STP			100 mg/l
	Soil			0.088 mg/kg
	Oral			29.3 mg/kg food
	Water	0.00077 mg/l	0.00008 mg/l	
Eugenol	Sediment	0.0089 mg/kg	0.0009 mg/kg	
	STP			0.0089 mg/l
	Soil			0.0013 mg/kg
	Water	0.00113 mg/l	0.000113 mg/l	
	Sediment	0.081 mg/kg	0.008 mg/kg	

Citronellol	Soil			0.015 mg/kg
	Water	0.002 mg/l	0 mg/l	
	Sediment	0.026 mg/kg	0.003 mg/kg	
	Intermittent water			0,024 mg/l
Benzyl benzoate	STP			580 mg/l
	Soil			0.004 mg/kg
	Water	0,017 mg/l	0,002 mg/l	
	Sediment	10,66 mg/kg	1,07 mg/kg	
	STP			100 mg/l
	Soil			2,12 mg/kg

## 8.2. Exposure controls

Engineering measures : Comply with standard precautionary measures for working with chemicals.  
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 with side shields, in accordance with EN 166, when there is danger of possible eye contact.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### 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. Does not contain substances with a specific inhalation risk.
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	: 82,78 °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 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**

**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: 20 %. ATE: > 5 mg/l. Low toxicity. 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: > 2426 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 : Irritant. May cause redness. Prolonged contact may dry out and defat the skin.

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 : Irritant.

Ingestion

Acute toxicity : Calculated LD50: > 2228 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 expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
2-Methylpentane-2,4-diol	Genotoxicity - in vitro	Not genotoxic	OECD 473	Chinese Hamster
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Skin irritation	Slightly irritant	----	Rabbit
	NOAEL (fertility, oral)	1000 mg/kg bw/d	OECD 421	Rat
	NOAEL (development, oral)	300 mg/kg bw/d	OECD 414	Rat
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	NOAEL (oral)	450 mg/kg bw/d	OECD 408	Rat
	NOEL (oral)	50 mg/kg bw/d	OECD 408	Rat
	LD50 (oral)	> 2000 mg/kg bw	OECD 420	Rat
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	Eye irritation	Slightly irritant	OECD 405	Rabbit
	LC50 (inhalation) - estimate	> 5000 mg/m3		
	7-Hydroxycitronellal	Respiratory irritation	Irritant	
LD50 (dermal)		> 2000 mg/kg bw	----	Rabbit
Skin sensitisation		5612 ug/cm2	OECD 429	Mouse
Skin irritation		850 ug/cm2	OECD 404	
Eye irritation		Irritant		
Skin irritation		Non-irritant		
LD50 (oral)		> 5000 mg/kg bw	----	Rat
NOEL (oral)		250 mg/kg bw/d		
Genotoxicity - in vivo		Not genotoxic		Mouse
NOEL (carcinogenicity) - estimate		Not carcinogenic		
Benzyl salicylate	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (fertility, oral)	158 mg/kg bw/d	OECD 421	Rat
	Skin sensitisation	725 ug/cm2	OECD 429	Mouse
	NOAEL (oral)	177 mg/kg bw/d	OECD 408	Rat
	Skin irritation	Non-irritant	OECD 404	Rabbit

d-Limonene	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		
	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	
2-Benzylideneheptanal	LD50 (oral)	> 2000 mg/kg bw	OECD 423	Rat	
	Genotoxicity - in vitro	Not genotoxic			
	NOAEL (oral)	150 mg/kg bw/d		Rat	
	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/cm2	OECD 429	Mouse	
	LD50 (oral)	2220 mg/kg bw	-----	Rat	
	Eye irritation	Non-irritant	-----	Rabbit	
	LC50 (inhalation) - estimate	> 5000 mg/m3	Read across	Rat	
	Skin irritation	Non-irritant	Patch test	Human	
	LD50 (oral)	1609 mg/kg bw	-----	Rat	
	NOAEL (dermal)	510 mg/kg bw/d	OECD 411	Rat	
	2-Phenylethanol	Genotoxicity - in vitro	Not genotoxic	OECD 476	
NOAEL (development, oral)		4,3 mg/kg bw/d		Rat	
Eye irritation		Irritant	-----	Rabbit	
Skin irritation		Slightly irritant	-----	Rabbit	
LD50 (dermal)		2535 mg/kg bw	OECD 402	Rabbit	
Skin sensitisation - estimate		Not sensitizing			
LC50 (inhalation)		> 4630 mg/m3		Rat	
NOAEL (developmental toxicity, dermal)		140 mg/kg bw/d		Rat	
Mutagenicity		Negative	OECD 471	Salmonella typhimurium	
LC50 (inhalation) - estimate		> 5000 mg/m3		Rat	
2,6-Dimethyloct-7-en-2-ol		NOAEL (development) - estimate	1000 mg/kg.d	Read across	Rat
		Mutagenicity	Not mutagenic	OECD 471	
		Genotoxicity - in vitro	Not genotoxic	OECD 476	
		NOAEL (oral) - estimate	500 mg/kg bw/d	Read across	Rat
	LD50 (oral)	3600 mg/kg bw	-----	Rat	
	Skin sensitisation	Not sensitizing			
	Skin irritation	Slightly irritant	-----	Rabbit	
	Eye irritation	Moderately irritant	OECD 405	Rabbit	

Linalool	LD50 (dermal)	> 5000 mg/kg bw	----	Rabbit
	NOAEL (development, oral)	365 mg/kg bw/d	----	Rat
	Eye irritation	Non-irritant	OECD 405	Rabbit
	Skin sensitisation	12650 ug/cm2	OECD 429	Mouse
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (fertility, oral)	500 mg/kg bw/d		Rat
	Skin irritation	Irritant	OECD 404	Rabbit
	NOAEL (dermal)	250 mg/kg bw/d	OECD 411	Rat
	Genotoxicity - in vivo	Not genotoxic	OECD 475	Mouse
	LD50 (dermal)	5610 mg/kg bw	----	Rabbit
	Skin irritation	Mildly irritant	----	Human
	LD50 (oral)	2790 mg/kg bw	----	Rat
	NOAEL (oral)	117 mg/kg bw/d	----	Rat
3-(p-Ethylphenyl)-2,2-dimethylpropionaldehyde	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	LD50 (oral)	> 5000 mg/kg bw		Rat
	LC50 (inhalation) - estimate	> 5000 mg/m3		
	Skin sensitisation - estimate	Sensitizing.	Read across	
	Outdoor cleaners (excludes stone, concrete and similar surfaces)	1000 mg/kg bw/d	OECD 414	Rat
Linalyl acetate	LD50 (oral)	13934 mg/kg bw	----	Rat
	LC50 (inhalation)	> 2740 mg/m3	----	Mouse
	Skin irritation	Non-irritant	----	Human
	Skin irritation	Irritant	OECD 404	Rabbit
	Eye irritation	Irritant	OECD 405	Rabbit
	NOAEL (oral)	160 mg/kg bw/d	OECD 407	Rat
	NOAEL (dermal)	250 mg/kg bw/d	OECD 411	Rat
	Mutagenicity	Not mutagenic	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Mouse
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	NOAEL (development, oral)	> 1000 mg/kg bw/d	OECD 414	Rat
	LC50 (inhalation) - estimate	> 5000 mg/m3	----	Rat
	Skin sensitisation	Sensitizing.	OECD 429	Mouse
allyl phenoxyacetate	LD50 (oral)	475 mg/kg bw	----	Rat
	LD50 (dermal)	820 mg/kg bw		Rabbit
4-tert-Butylcyclohexyl acetate	LD50 (oral)	5000 mg/kg bw	----	Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	Eye irritation	Non-irritant		Rabbit
	Skin irritation	Non-irritant		Rabbit
	NOAEL (oral) - estimate	710 mg/kg bw/d	Read across	
Geranyl acetate	Skin irritation	Moderately irritant		Guinea pig
	Skin sensitisation	Sensitizing.	----	----
	NOEL (carcinogenicity) - estimate	> 2000 mg/kg.d	Read across	Rat
	NOAEL (dermal) - estimate	1000 mg/kg bw/d	Read across	Mouse
	LD50 (dermal)	> 5460 mg/kg bw		Rabbit
LD50 (oral)	6330 mg/kg bw	----	Rat	

Neryl acetate	Mutagenicity	Negative	OECD 471	-----
	LD50 (oral)	> 5000 mg/kg bw	OECD 423	Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	Skin sensitisation - estimate	Sensitizing.	QSAR	
	Inhalation sensitisation			
	NOAEL (fertility, inh.)	-----		
	NOAEL (fertility, oral)	440 mg/kg bw/d	OECD 422	Rat
	NOAEL (development) - estimate			
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Chinese Hamster
Eugenol	Skin irritation	Non-irritant	-----	Rabbit
	Eye irritation	Non-irritant	OECD 492	
	NOAEL (oral)	440 mg/kg bw/d	OECD 422	Rat
	LD50 (oral)	> 2000 mg/kg bw	OECD 423	Rat
	LC50 (inhalation)	> 2580 mg/m3	OECD 403	Rat
	LC50 (inhalation) - estimate	> 5000 mg/m3		Rat
	LD50 (dermal)	> 2000 mg/kg bw		Rat
	NOEL (carcinogenicity, oral)	300 mg/kg bw/d	-----	Rat
	Skin sensitisation	2703 ug/cm2	OECD 429	Mouse
	NOAEL (oral)	600 mg/kg bw/d	OECD 408	Rat
	Genotoxicity - in vitro	Genotoxic	OECD 476	Mouse
	Genotoxicity - estimate	Not genotoxic		
	Genotoxicity - in vivo	Genotoxic	OECD 474	Mouse
	Mutagenicity	Not mutagenic	OECD 471	Salmonella typhimurium
	NOAEL (fertility) - estimate	> 700 mg/kg.d	Read across	Rat
Citronellol	NOAEL (development, oral)	250 mg/kg bw/d		Rabbit
	Genotoxicity - in vitro	Not genotoxic		
	Skin sensitisation	10875 ug/cm2	OECD 429	Mouse
	Mutagenicity	Not mutagenic	OECD 471	Salmonella typhimurium
	NOAEL (oral)	> 50 mg/kg bw/d		Rat
	Skin irritation	Moderately irritant		Rabbit
	LD50 (oral)	3450 mg/kg bw	-----	Rat
	LD50 (dermal)	2650 mg/kg bw		Rabbit
	NOAEL (fertility, dermal)	300 mg/kg bw/d	OECD 421	Rat
	NOAEL (developmental toxicity, dermal)	> 300 mg/kg bw/d	OECD 421	Rat
	Skin irritation	Moderately irritant	Patch test	Human
	Eye irritation	Moderately irritant		Rabbit

### 11.2. Information on other hazards

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

## SECTION 12 ECOLOGICAL INFORMATION

### 12.1. Toxicity



No ecotoxicological research has been carried out on this product.

Ecotoxicity : Toxic to aquatic organisms. Calculated LC50 (fish): 6 mg/l. Calculated EC50 (waterflea): 4 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-Benzylideneheptanal	Ultimate aerobic biodegradation (%)	65 %	OECD 301 B	
	IC50 (algae)	1,88 mg/l	OECD 201	Selenastrum capricornutum
	EC50 (waterflea)	1,1 mg/l	OECD 202	Daphnia magna
2-Benzylideneheptanal	LC50 (fish)	3 mg/l	OECD 203	Brachydanio rerio
	Log P(ow)	4,7		
2-tert-Butylcyclohexyl acetate	LC50 (fish)	1,7 mg/l	----	----
	EC50 (waterflea)	17 mg/l	----	----
2-tert-Butylcyclohexyl acetate	Log P(ow)	3,96		
	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Ultimate aerobic biodegradation (%)	2 %	OECD 301 B
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
	EC50 (waterflea)	0,47 mg/l	----	----
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Log P(ow)	5,9		
	BCF	1584		
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	LC50 (fish)	0,314 mg/l		----
	EC50 (waterflea)	0,244 mg/l	----	Daphnia magna
	IC50 (algae)	0,8 mg/l		
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	Log P(ow)	5,7000		



3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	LC50 (fish)	10,9 mg/l	OECD 203	Oncorhynchus mykiss
	Ultimate aerobic biodegradation (%)	61,8 %	OECD 301 B	
	EC50 (waterflea) - estimate	3,04 mg/l	-----	Daphnia magna
	EC50 (waterflea)	4,7 mg/l	OECD 202	Daphnia magna
	IC50 (algae)	> 20 mg/l	OECD 201	Desmodesmus subspicatus
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Log P(ow)	4,288		
Allyl (3-methylbutoxy)acetate	IC50 (algae) - estimate	2,06 mg/l	-----	-----
	LC50 (fish) - estimate	0,77 mg/l	-----	-----
	EC50 (waterflea) - estimate	5,09 mg/l	-----	-----
	Ultimate aerobic biodegradation (%)	> 60 %	OECD 301 B	
	Log P(ow)	2,72		

## 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

### 14.1. UN number or ID number

UN nr. : UN 3082

### 14.2. UN proper shipping name

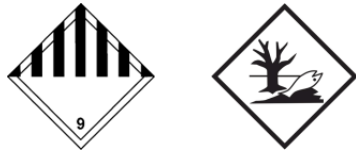
Transport name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( d-Limonene ; 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran )

Transport name (IMDG, IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( d-Limonene ; 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-Hexamethylindeno[5,6-c]pyran )

### 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 : C/D



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 Irrit. 2	: Calculation method.
Eye Irrit. 2	: Calculation method.
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. 2	: Acute toxicity, Hazard Category 2.
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.
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.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H330	Fatal if inhaled.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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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.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

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End of safety data sheet.