



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

1.1. Product identifier

Product name : LIMPRO PARFUM CARD HAMMAM EUCALYPTUS
Product code : LP4V018
UFI : 5Q10-W0DF-E001-W24G

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

Application : SU21 Consumer product. Air care products for indoor rooms (continuous action). Airfreshener.

1.3. Details of the supplier of the safety data sheet

Supplier : Dovox B.V.
Leemansweg 40
6827 BX Arnhem, The Netherlands
Telephone : +31-30-7116 824
E-mail : info@dovox.nl
Website : www.dovox.nl

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

NL - Telephone : +31-30-7116 824

(During office hours only)

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

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

2.2. Label elements

Label elements ((EU) 1272/2008):

Hazard pictograms :



Signal word : Danger

H- and P-phrases : H315 Causes skin irritation.
H318 Causes serious eye damage.
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 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.
P310 Immediately call a POISON CENTER/doctor.

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 : Danger

H- and P-phrases :

- H318 Causes serious eye damage.
- 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 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.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P501 Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Cineole ; Linalool ; alpha-Hexylcinnamaldehyde ; Phenethyl acetate ; 4-tert-Butylcyclohexyl acetate ; Citronellol ; d-Limonene ; 3-p-Cumenyl-2-methylpropionaldehyde ; Linalyl acetate ; Pin-2(3)-ene ; Geraniol ; p-Mentha-1,4(8)-diene ; Hexyl salicylate ; 3,7,7-Trimethylbicyclo(4.1.0)hept-3-ene ; Dodecanal ; Allyl 3-cyclohexylpropionate ; 3-(p-Methoxyphenyl)-2-methylpropionaldehyde ; Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde ; p-Menth-1-en-4-ol ; Methyl 2,4-dihydroxy-3,6-dimethylbenzoate ; trans-delta-Damascone .

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%. Human health: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher. Environment: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
2,6-Dimethyloct-7-en-2-ol	10 - < 25	18479-58-8	242-362-4		01-2119457274-37
Cineole	10 - < 25	470-82-6	207-431-5		01-2119967772-24
Linalool	10 - < 20	78-70-6	201-134-4		01-2119474016-42
Reaction mass of 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-5-yl acetate and 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-6-yl acetate	5 - < 10	-----	911-369-0		



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alpha-Hexylcinnamaldehyde	2,5 - < 5	101-86-0	202-983-3	01-2119533092-50
Benzyl acetate	1 - < 5	140-11-4	205-399-7	01-2119638272-42
Phenethyl acetate	1 - < 5	103-45-7	203-113-5	01-2119976340-38
2-Phenylethanol	1 - < 5	60-12-8	200-456-2	01-2119963921-31
4-tert-Butylcyclohexyl acetate	1 - < 5	32210-23-4	250-954-9	01-2119976286-24
Citronellol	1 - < 5	106-22-9	203-375-0	01-2119453995-23
d-Limonene	1 - < 5	5989-27-5	227-813-5	01-2119529223-47
3-p-Cumenyl-2-methylpropionaldehyde	1 - < 5	103-95-7	203-161-7	01-2119970582-32
Terpineol	1 - < 5	8000-41-7	232-268-1	01-2119553062-49
3-Methyl-4-(2,6,6-trimethyl-2-cyclohex-en-1-yl)-3-buten-2-one	1 - < 2,5	127-51-5	204-846-3	01-2120138569-45
Linalyl acetate	1 - < 5	115-95-7	204-116-4	01-2119454789-19
Pin-2(3)-ene	1 - < 2,5	80-56-8	201-291-9	01-2119519223-49
Geraniol	0,1 - < 1	106-24-1	203-377-1	01-2119552430-49
p-Mentha-1,4(8)-diene	0,25 - < 1	586-62-9	209-578-0	01-2119982325-32
Hexyl salicylate	0,25 - < 1	6259-76-3	228-408-6	01-2119638275-36
Bornan-2-one	0,1 - < 1	76-22-2	200-945-0	
Dodecanal	0,1 - < 1	112-54-9	203-983-6	01-2119969441-33
Allyl 3-cyclohexylpropionate	0,1 - < 1	2705-87-5	220-292-5	01-2119976355-27
3-(p-Methoxyphenyl)-2-methylpropionaldehyde	0,1 - < 1	5462-06-6	226-749-5	01-2120629103-67
[3R-(3α,3αβ,7β,8α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	0,1 - < 1	469-61-4	207-418-4	
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	0,1 - < 1	-----	943-728-2	01-2119982384-28
p-Menth-1-en-4-ol	0,1 - < 1	562-74-3	209-235-5	01-2120748638-40
p-Mentha-1,4-diene	0,1 - < 1	99-85-4	202-794-6	01-2120780478-40
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	0,1 - < 1	4707-47-5	225-193-0	01-2120762759-36
p-Cymene	0,1 - < 1	99-87-6	202-796-7	01-2120807345-59
trans-delta-Damascone	0,1 - < 0,25	71048-82-3	275-156-8	01-2119535122-53

Substance name	Hazard Class	H-phrases	Pictograms	
2,6-Dimethyloct-7-en-2-ol	Skin Irrit. 2; Eye Irrit. 2	H315; H319	GHS07	
Cineole	Flam. Liq. 3; Skin Sens. 1B	H226; H317	GHS02; GHS07	
Linalool	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Reaction mass of 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-5-yl acetate and 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-6-yl acetate	Aquatic Chronic 3	H412		
alpha-Hexylcinnamaldehyde	Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 2	H317; H400; H411	GHS07; GHS09	M (acute) = 1
Benzyl acetate	Aquatic Chronic 3	H412		
Phenethyl acetate	Eye Dam. 1	H318	GHS05	
2-Phenylethanol	Acute Tox. 4; Eye Irrit. 2	H302; H319	GHS07	
4-tert-Butylcyclohexyl acetate	Skin Sens. 1B	H317	GHS07	
Citronellol	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	



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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
3-p-Cumenyl-2-methylpropionaldehyde	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 3	H315; H317; H412	GHS07	
Terpineol	Skin Irrit. 2; Eye Irrit. 2	H315; H319	GHS07	
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Aquatic Chronic 2	H411	GHS09	
Linalyl acetate	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Pin-2(3)-ene	Flam. Liq. 3; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1	H226; H302; H304; H315; H317; H400; H410	GHS02; GHS07; GHS08; GHS09	M (acute) = 1 M (chronic) = 1
Geraniol	Skin Irrit. 2; Skin Sens. 1B; Eye Dam. 1	H315; H317; H318	GHS05; GHS07	
p-Mentha-1,4(8)-diene	Asp. Tox. 1; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1	H304; H317; H400; H410	GHS07; GHS08; GHS09	M (acute) = 1 M (chronic) = 1
Hexyl salicylate	Skin Irrit. 2; Skin Sens. 1B; Repr. 2; Aquatic Acute 1; Aquatic Chronic 1	H315; H317; H361d; H400; H410	GHS07; GHS08; GHS09	M (acute) = 1 M (chronic) = 1
Bornan-2-one	Flam. Sol. 2; Skin Irrit. 2; Eye Dam. 1; Acute Tox. 4; STOT SE 2	H228; H315; H318; H332; H371	GHS02; GHS05; GHS07; GHS08	
Dodecanal	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Allyl 3-cyclohexylpropionate	Acute Tox. 4; Acute Tox. 4; Skin Sens. 1; Aquatic Acute 1; Aquatic Chronic 2	H302; H312; H317; H400; H411	GHS07; GHS09	M (acute) = 1
3-(p-Methoxyphenyl)-2-methylpropionaldehyde	Skin Sens. 1B	H317	GHS07	
[3R-(3 α ,3 α β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	Asp. Tox. 1; Skin Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1	H304; H315; H400; H410	GHS07; GHS08; GHS09	M (acute) = 10 M (chronic) = 10
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2	H315; H317; H411	GHS07; GHS09	
p-Menth-1-en-4-ol	Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Acute Tox. 4; STOT SE 3	H302; H315; H317; H319; H332; H336	GHS07	
p-Mentha-1,4-diene	Flam. Liq. 3; Repr. 2; Aquatic Chronic 2	H226; H361d; H411	GHS02; GHS08; GHS09	
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	Skin Sens. 1B	H317	GHS07	
p-Cymene	Flam. Liq. 3; Asp. Tox. 1; Repr. 2; Aquatic Chronic 2; Acute Tox. 3	H226; H304; H361; H411; H331	GHS02; GHS06; GHS08; GHS09	inhalation: ATE = 3 mg/L (vapours)



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trans-delta-Damascone	Acute Tox. 4; Skin Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1; Skin Sens. 1A	H302; H315; H400; H410; H317	GHS07; GHS09	M (acute) = 1
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[1] Non classified substance for which a legal or recommended limit value applies. 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 for at least 15 minutes. Remove contact lenses. Consult a doctor immediately.
- 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 : Irritant. May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin.
- Eye contact : Strongly irritant. Irreversible effects on the eye/serious damage to eyes. May cause redness and severe 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 and combustion 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 eyes and unnecessary contact to skin. 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. 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	GB	5	-	-	MAC: LT
d-Limonene		28	80		MAC: DE, CH
Pin-2(3)-ene		113	-		MAC: BE
Bornan-2-one		12	-		MAC BG, BE, EL, NO, etc
p-Cymene		13	19		MAC: SV, ET, LT
		140			



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3,7,7-Trimethylbicyclo(4.1.0)hept-3-ene		140	208,94		MAC: NO
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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
2,6-Dimethyloct-7-en-2-ol	Dermal				7 mg/kg bw/day
	Inhalation				24.7 mg/m3
Cineole	Inhalation				7,05 mg/m3
	Dermal				2 mg/kg bw/day
Linalool	Inhalation				24.58 mg/m3
	Dermal	3 mg/kg bw		3 mg/kg bw/day	3.5 mg/kg bw/day
Reaction mass of 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-5-yl acetate and 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-6-yl acetate	Inhalation				11,75 mg/m3
	Dermal				3,33 mg/kg bw/day
alpha-Hexylcinnamaldehyde	Inhalation	6,28 mg/m3			0,078 mg/m3
	Dermal	0,525 mg/kg bw		0,525 mg/kg bw/day	18,2 mg/kg bw/day
Benzyl acetate	Inhalation				9 mg/m3
	Dermal				2.5 mg/kg bw/day
Phenethyl acetate	Inhalation				6,5 mg/m3
	Dermal				2,27 mg/kg bw/day
2-Phenylethanol	Inhalation				59,9 mg/m3
	Dermal				21,2 mg/kg bw/day
4-tert-Butylcyclohexyl acetate	Inhalation				4.93 mg/m3
	Dermal				1.4 mg/kg bw/day
Citronellol	Inhalation	10 mg/m3		10 mg/m3	161,6 mg/m3
	Dermal	2,950 mg/kg bw			327,4 mg/kg bw/day
d-Limonene	Inhalation				66,7 mg/m3
	Dermal				9,5 mg/kg bw/day
3-p-Cumenyl-2-methylpropionaldehyde	Inhalation				5,83 mg/m3
	Dermal			0,00743 mg/kg bw/day	1,67 mg/kg bw/day
Terpineol	Dermal				6.36 mg/kg bw/day
	Inhalation				44.8 mg/m3
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
	Inhalation				2,75 mg/m3
Pin-2(3)-ene	Inhalation				3,8 mg/m3
	Dermal				0,542 mg/kg bw/day
Geraniol	Inhalation				161,6 mg/m3
	Dermal				12,5 mg/kg bw/day
p-Mentha-1,4(8)-diene	Inhalation				3,6 mg/m3
	Dermal			0,044 mg/kg bw/day	0,52 mg/kg bw/day
Hexyl salicylate	Dermal	0,885 mg/kg bw		0,885 mg/kg bw/day	6,4 mg/kg bw/day
	Inhalation				1.7 mg/m3
Bornan-2-one	Inhalation				17,632 mg/m3
	Dermal				10 mg/kg bw/day



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Dodecanal	Inhalation				49,7 mg/m3
	Dermal			0,00057 mg/kg bw/day	14,1 mg/kg bw/day
Allyl 3-cyclohexylpropionate	Inhalation				15 mg/m3
	Dermal				4,3 mg/kg bw/day
3-(p-Methoxyphenyl)-2-methylpropionaldehyde	Inhalation				6.35 mg/m3
	Dermal			3.9923 mg/kg bw/day	1.8 mg/kg bw/day
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Inhalation				1,837 mg/m3
	Dermal				0,521 mg/kg bw/day
p-Mentha-1,4-diene	Inhalation				2,939 mg/m3
	Dermal				0,833 mg/kg bw/day
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	Dermal			2,5 mg/kg bw/day	
p-Cymene	Inhalation				0,88 mg/m3
	Dermal				0,25 mg/kg bw/day
trans-delta-Damascone	Inhalation				1,5 mg/m3
	Dermal			0,116 mg/kg bw/day	2,1 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
2,6-Dimethyloct-7-en-2-ol	Dermal				2.5 mg/kg bw/day
	Inhalation				4.35 mg/m3
Cineole	Oral				2.5 mg/kg bw/day
	Inhalation				1,74 mg/m3
	Dermal				1 mg/kg bw/day
	Oral				600 mg/kg bw/day
Linalool	Dermal	1.5 mg/kg bw		1.5 mg/kg bw/day	1.25 mg/kg bw/day
	Inhalation				4.33 mg/m3
	Oral				2.49 mg/kg bw/day
Reaction mass of 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-5-yl acetate and 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-6-yl acetate	Inhalation				2,9 mg/m3
	Dermal				1,67 mg/kg bw/day
	Oral				1,67 mg/kg bw/day
alpha-Hexylcinnamaldehyde	Inhalation	4,71 mg/m3			0,019 mg/m3
	Dermal	0,0787 mg/kg bw		0,0787 mg/kg bw/day	9,11 mg/kg bw/day
	Oral				0,056 mg/kg bw/day
Benzyl acetate	Inhalation				2.2 mg/m3
	Dermal				1.3 mg/kg bw/day
	Oral		6,25 mg/kg bw		1.3 mg/kg bw/day
Phenethyl acetate	Inhalation				1,61 mg/m3
	Dermal				1,14 mg/kg bw/day
	Oral		2,5 mg/kg bw		0,42 mg/kg bw/day
2-Phenylethanol	Inhalation				17,7 mg/m3
	Dermal				12,7 mg/kg bw/day
	Oral		5,1 mg/kg bw		5,1 mg/kg bw/day
4-tert-Butylcyclohexyl acetate	Inhalation				0.87 mg/m3



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Citronellol	Dermal			0.5 mg/kg bw/day
	Oral			0.5 mg/kg bw/day
	Inhalation	10 mg/m3	10 mg/m3	47,8 mg/m3
	Dermal	2,950 mg/kg bw		196,4 mg/kg bw/day
d-Limonene	Oral			13,8 mg/kg bw/day
	Inhalation			16,6 mg/m3
	Dermal			4,8 mg/kg bw/day
	Oral			4,8 mg/kg bw/day
3-p-Cumenyl-2-methylpropionaldehyde	Inhalation			1,45 mg/m3
	Dermal		0,00372 mg/kg bw/day	0,83 mg/kg bw/day
	Oral			0,83 mg/kg bw/day
	Dermal			2.69 mg/kg bw/day
Terpineol	Inhalation			7.96 mg/m3
	Oral			2.69 mg/kg bw/day
	Inhalation			1.45 mg/m3
	Dermal			0.0446 mg/kg bw/day
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Oral			0.0355 mg/kg bw/day
	Dermal			1,25 mg/kg bw/day
	Inhalation			0,68 mg/m3
	Oral			0,2 mg/kg bw/day
Linalyl acetate	Inhalation			0,674 mg/m3
	Oral			0,225 mg/kg bw/day
	Dermal			0,225 mg/kg bw/day
	Oral			47,8 mg/m3
Pin-2(3)-ene	Inhalation			7,5 mg/kg bw/day
	Dermal			13,75 mg/kg bw/day
	Oral			0,26 mg/kg bw/day
	Inhalation			0,9 mg/m3
Geraniol	Dermal			0,26 mg/kg bw/day
	Oral			3,2 mg/kg bw/day
	Inhalation			0,4 mg/m3
	Oral			0,3 mg/kg bw/day
p-Mentha-1,4(8)-diene	Inhalation			4,348 mg/m3
	Dermal			5 mg/kg bw/day
	Oral			5 mg/kg bw/day
	Inhalation			12,3 mg/m3
Hexyl salicylate	Dermal	0.4425 mg/kg bw	0,4425 mg/kg bw/day	7 mg/kg bw/day
	Inhalation			7 mg/kg bw/day
	Oral			3,7 mg/m3
	Dermal			2,1 mg/kg bw/day
Bornan-2-one	Oral			2,1 mg/kg bw/day
	Inhalation			1.08 mg/kg bw/day
	Dermal			1.88 mg/m3
	Inhalation			1.08 mg/kg bw/day
Dodecanal	Dermal		3.9923 mg/kg bw/day	0,543 mg/m3
	Oral			0,312 mg/kg bw/day
	Inhalation			0,312 mg/kg bw/day
	Dermal			
Allyl 3-cyclohexylpropionate	Inhalation			
	Dermal			
	Oral			
	Oral			
3-(p-Methoxyphenyl)-2-methylpropionaldehyde	Inhalation			
	Dermal			
	Inhalation			
	Dermal			
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Inhalation			
	Oral			
	Dermal			
	Dermal			



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p-Mentha-1,4-diene	Inhalation				0,725 mg/m3
	Dermal				0,417 mg/kg bw/day
	Oral				0,417 mg/kg bw/day
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	Dermal			1,25 mg/kg bw/day	
p-Cymene	Oral				0,125 mg/kg bw/day
	Inhalation				0,22 mg/m3
	Dermal				0,125 mg/kg bw/day
trans-delta-Damascone	Dermal			0,069 mg/kg bw/day	1.25 mg/kg bw/day
	Oral				0,25 mg/kg bw/day
	Inhalation				0,43 mg/m3

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
2,6-Dimethyloct-7-en-2-ol	Water	0,0278 mg/l	0,0027 mg/l	
	Sediment	0,594 mg/kg	0,0594 mg/kg	
	Intermittent water			0,278 mg/l
	STP			10 mg/l
	Soil			0,103 mg/kg
	Oral			111 mg/kg food
Cineole	Water	0,057 mg/l	0,0057 mg/l	
	Sediment	1,425 mg/kg	0,1425 mg/kg	
	Intermittent water			0,57 mg/l
	STP			10 mg/l
	Soil			0,25 mg/kg
	Oral			40 mg/kg food
Linalool	Water	0,2 mg/l	0,02 mg/l	
	Sediment	2,22 mg/kg	0,222 mg/kg	
	Intermittent water			2 mg/l
	STP			10 mg/l
	Soil			0,327 mg/kg
	Oral			7,8 mg/kg food
alpha-Hexylcinnamaldehyde	Water	0.001 mg/l		
	Sediment	3.2 mg/kg	0.064 mg/kg	
	Intermittent water			0,03 mg/l
	STP			10 mg/l
	Soil			0.398 mg/kg
	Oral			6.6 mg/kg food
Benzyl acetate	Water	0.018 mg/l	0.002 mg/l	
	Sediment	0.526 mg/kg	0.053 mg/kg	
	Intermittent water			0,04 mg/l
	STP			8,55 mg/l
	Soil			0.094 mg/kg
	Oral			
Phenethyl acetate	Water	0,011 mg/l	0,0011 mg/l	
	Sediment	0,128 mg/kg	0,013 mg/kg	
	Intermittent water			0,105 mg/l
	STP			10 mg/l
	Soil			0,019 mg/kg
	Oral			
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
	Oral			
4-tert-Butylcyclohexyl acetate	Water	0,0053 mg/l	0,00053 mg/l	
	Sediment	2,01 mg/kg	0,21 mg/kg	
	Intermittent water			0,053 mg/l



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Citronellol	STP			12,2 mg/l
	Soil			0,42 mg/kg
	Oral			66,76 mg/kg food
	Water	0.002 mg/l	0 mg/l	
	Sediment	0.026 mg/kg	0.003 mg/kg	
d-Limonene	Intermittent water			0,024 mg/l
	STP			580 mg/l
	Soil			0.004 mg/kg
	Water	0.014 mg/l	0.0014 mg/l	
	Sediment	3.85 mg/kg	0.385 mg/kg	
3-p-Cumenyl-2-methylpropionaldehyde	STP			1.8 mg/l
	Soil			0.763 mg/kg
	Oral			133 mg/kg food
	Water	0,00109 mg/l	0,00011 mg/l	
	Sediment	0,126 mg/kg	0.013 mg/kg	
Terpineol	Intermittent water			0,01092 mg/l
	STP			1 mg/l
	Soil			0.025 mg/kg
	Oral			33.3 mg/kg food
	Water	0.012 mg/l	0.0012 mg/l	
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Sediment	0.263 mg/kg	0.026 mg/kg	
	STP			2,57 mg/l
	Soil			0.045 mg/kg
	Oral			16,6 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	
Pin-2(3)-ene	Intermittent water			0,11 mg/l
	STP			1 mg/l
	Soil			0,115 mg/kg
	Water	0.000606 mg/l	0.000061 mg/l	
	Sediment	0,157 mg/kg	0,0157 mg/kg	
Geraniol	STP			0,2 mg/l
	Soil			0,0317 mg/kg
	Oral			8,76 mg/kg food
	Water	0,0108 mg/l	0,0010 mg/l	
	Sediment	0,115 mg/kg	0,0115 mg/kg	
p-Mentha-1,4(8)-diene	Intermittent water			0,108 mg/l
	STP			0,7 mg/l
	Soil			0,0167 mg/kg
	Water	0,0006 mg/l	0,00006 mg/l	
	Sediment	0,147 mg/kg	0,0147 mg/kg	
Hexyl salicylate	STP			0,2 mg/l
	Soil			0.0291 mg/kg
	Oral			10,31 mg/kg food
	Water	0 mg/l	0 mg/l	
	Sediment	0,272 mg/kg	0.027 mg/kg	
Bornan-2-one	Intermittent water			0,0036 mg/l
	STP			10 mg/l
	Soil			0.054 mg/kg
	Water	0.0017 mg/l	0.00017 mg/l	
	Sediment	0,139 mg/kg	0,017 mg/kg	
	STP			1 mg/l



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Dodecanal	Soil			0,013 mg/kg
	Water	0,0035 mg/l	0,00035 mg/l	
	Sediment	1,41 mg/kg	0,141 mg/kg	
	Intermittent water			0,035 mg/l
	STP			10 mg/l
Allyl 3-cyclohexylpropionate	Soil			0,278 mg/kg
	Oral			313 mg/kg food
	Water	0,0001 mg/l	0.00001 mg/l	
	Sediment	0,0241 mg/kg	0,0024 mg/kg	
	Intermittent water			0,0013 mg/l
3-(p-Methoxyphenyl)-2-methylpropionaldehyde	STP			0,2 mg/l
	Soil			0,0047 mg/kg
	Oral			143 mg/kg food
	Water	0.0052 mg/l	0.00052 mg/l	
	Sediment	0.104 mg/kg	0.014 mg/kg	
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	STP			3 mg/l
	Soil			0.0178 mg/kg
	Water	0.0075 mg/l	0.00075 mg/l	
	Sediment	0.226 mg/kg	0.023 mg/kg	
	STP			10 mg/l
p-Mentha-1,4-diene	Soil			0.041 mg/kg
	Water	0.003 mg/l	0 mg/l	
	Sediment	0.49 mg/kg	0.049 mg/kg	
	STP			10 mg/l
	Soil			0.423 mg/kg
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	Water	0,0033 mg/l	0,00033 mg/l	
	Sediment	0,089 mg/kg	0,0089 mg/kg	
	STP			10 mg/l
	Soil			0,016 mg/kg
	Water	0.004 mg/l	0 mg/l	
p-Cymene	Sediment	1.52 mg/kg	0.152 mg/kg	
	STP			10 mg/l
	Soil			0.302 mg/kg
	Water	0.0074 mg/l	0.00074 mg/l	
	Sediment	0.958 mg/kg	0.0958 mg/kg	
trans-delta-Damascone	Intermittent water			0,0035 mg/l
	STP			2,41 mg/l
	Soil			0.187 mg/kg

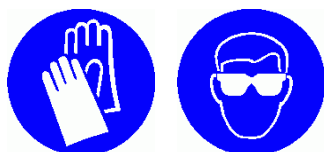
8.2. Exposure controls

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: nitril. Indication of permeation breakthrough time: not known.
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: nitril. $\pm 0,5$ mm. Indication of permeation breakthrough time: not known.
Eye protection	: Wear appropriate safety glasses with side shields, in accordance with EN 166.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	Impregnated material.
Colour	: Light yellow.	
Odour	: Perfumed.	
Odour threshold	: Not known.	
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	: 85 °C	Closed cup.
Flammability	: Not flammable.	Combustible.
Auto ignition temperature	: > 220 °C	
Boiling point/boiling range	: > 100 °C	
Melting point/melting range	: Not known.	
Explosive properties	: Not 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 known.	
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	: Not known	(air = 1)
Relative density (20°C)	: Not known.	
Particle characteristics	: Not applicable.	Liquid.

9.2. Other information

Other information	: Not relevant.
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SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	: See sub-sections below.
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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: 69 %. ATE: > 5 mg/l. 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 : 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: > 4706 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 5000 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 : Risk of serious damage to eyes.

Ingestion

- Acute toxicity : Calculated LD50: > 2811 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.
- Target organ toxicity (SE) : No specific effects and/or symptoms are known.
- Target organ toxicity (RE) : No specific effects and/or symptoms are known.
- Aspiration : Contains a substance/substances with an aspiration hazard. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : No specific effects and/or symptoms are known.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.



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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
2,6-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
	LD50 (dermal)	> 5000 mg/kg bw	-----	Rabbit
	LD50 (oral)	2480 mg/kg bw	-----	Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	NOAEL (oral)	600 mg/kg bw/d	OECD 407	Rat
	Genotoxicity - in vitro	Not genotoxic		
	Mutagenicity	Not mutagenic		Salmonella typhimurium
Cineole	NOAEL (fertility, oral)	> 600 mg/kg bw/d	OECD 421	Rat
	Skin irritation	Non-irritant		
	LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across	
	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
Linalool	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
	NOAEL (development, oral)	100 mg/kg bw/d	OECD 421	Rat
	Genotoxicity - in vivo	Not genotoxic	OECD 474	
	Genotoxicity - in vitro	Not genotoxic	OECD 476	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Eye irritation	Non-irritant		Rabbit
	NOAEL (oral) - estimate	30 mg/kg bw/d	Read across	Rat
	LD50 (dermal)	> 3000 mg/kg bw	OECD 402	Rabbit
	LC50 (inhalation)	> 5000 mg/m3	OECD 403	Rat
	LD50 (oral)	> 2450 mg/kg bw	OECD 401	Rat
alpha-Hexylcinnamaldehyde	Skin sensitisation	2372 ug/cm2	OECD 429	Mouse
	Skin irritation	Moderately irritant	OECD 404	Rabbit
	NOAEL (dermal)	25 mg/kg bw/d		Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Skin irritation	Non-irritant	OECD 404	Rabbit
	Eye irritation	Highly irritant		Rabbit
Phenethyl acetate				



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4-tert-Butylcyclohexyl acetate	NOEL (carcinogenicity, oral)	> 300 mg/kg bw/d		Mouse
	NOAEL (development) - estimate	500 mg/kg.d	Read across	
	NOAEL (fertility) - estimate	500 mg/kg.d	Read across	
	LD50 (oral)	5000 mg/kg bw	OECD 401	Rat
	LC50 (inhalation)	> 766 mg/m3		Rat
	LD50 (dermal)	6210 mg/kg bw	OECD 402	Rabbit
	Skin sensitisation	Not sensitizing		Guinea pig
	NOAEL (oral) - estimate	250 mg/kg bw/d	Read across	Rat
	LC50 (inhalation) - estimate	> 5000 mg/m3	-----	Rat
	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	
Citronellol	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
d-Limonene	Eye irritation	Moderately irritant		Rabbit
	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	
	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		
3-p-Cumenyl-2-methylpropionaldehyde	NOAEL (oral)	150 mg/kg bw/d		Rat
	Skin sensitisation	5575 ug/cm2	OECD 429	Mouse
	NOAEL (oral)	300 mg/kg bw/d		Rabbit
	Skin irritation	Slightly irritant		Rabbit
	LD50 (oral)	3810 mg/kg bw	-----	Rat
	NOAEL (fertility, oral)	25 mg/kg bw/d	OECD 415	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vivo	> 2000 mg/kg bw/d	Read across	Mouse
	Eye irritation	Non-irritant		Rabbit
	LD50 (dermal)	> 5000 mg/kg bw	-----	Rat
Terpineol	Skin irritation	Irritant	OECD 404	Rabbit
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig



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Linalyl acetate	NOAEL (oral)	250 mg/kg bw/d	OECD 422	Rat
	LD50 (oral)	> 2000 mg/kg bw	OECD 401	Rat
	LC50 (inhalation) - estimate	> 5000 mg/m3		
	LC50 (inhalation)	> 4760 mg/m3	OECD 403	Rat
	Eye irritation	Irritant	OECD 405	Rabbit
	NOAEL (fertility, oral)	250 mg/kg bw/d	OECD 422	Rat
	NOAEL (inhalation)	2230 mg/m3	OECD 413	Rat
	NOAEL (fertility, inh.)	2230 mg/m3	OECD 413	Rat
	Genotoxicity - in vitro	Not genotoxic	OECD 473	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (development, oral)	500 mg/kg bw/d	OECD 414	Rat
	Outdoor cleaners (excludes stone, concrete and similar surfaces)	1000 mg/kg bw/d	OECD 414	Rat
	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) - estimate	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
Pin-2(3)-ene	LC50 (inhalation) - estimate	> 5000 mg/m3	-----	Rat
	Skin sensitisation	Sensitizing.	OECD 406	Guinea pig
	Skin sensitisation	Sensitizing.	-----	Guinea pig
	Skin irritation	Non-irritant	-----	Human
	NOAEL (fertility, oral)	749 mg/kg bw/d	OECD 421	Rat
	Skin irritation	Moderately irritant	-----	Rabbit
	Mutagenicity	Not mutagenic	-----	Salmonella typhimurium
	Eye irritation - estimate	Moderately irritant	Read across	Rabbit
	Genotoxicity - estimate	Not genotoxic	Read across	
	NOAEL (inhalation)	170 mg/m3	OECD 413	Rat
	NOAEL (oral) - estimate	800 mg/kg bw/d	Read across	
Geraniol	LD50 (oral)	500 mg/kg bw	OECD 423	Rat
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	NOEL (oral)	> 550 mg/kg bw/d		Rat
	NOAEL (oral)	> 550 mg/kg bw/d		
	LD50 (dermal)	> 5000 mg/kg bw	-----	Rabbit
	LD50 (oral)	> 2840 mg/kg bw	-----	Rat
	NOEL (carcinogenicity) - estimate	Not carcinogenic	Read across	
	NOAEL (dermal)	300 mg/kg bw/d	OECD 421	Rat
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Chinese Hamster
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (developmental toxicity, dermal)	> 300 mg/kg bw/d	OECD 421	Rat



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p-Mentha-1,4(8)-diene	NOAEL (fertility, dermal)	> 300 mg/kg bw/d	OECD 421	Rat
	Skin sensitisation	3525 ug/cm2	OECD 429	Mouse
	NOAEL (oral) - estimate	1200 mg/kg bw/d	Read across	
	Genotoxicity - in vitro	Not genotoxic		
	NOAEL (development) - estimate	591 mg/kg.d	Read across	
	NOAEL (fertility) - estimate	> 500 mg/kg.d	Read across	
	NOEL (carcinogenicity) - estimate	Not carcinogenic		
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	LD50 (oral)	3860 mg/kg bw		Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
Hexyl salicylate	Eye irritation	Non-irritant	OECD 405	Rabbit
	Skin irritation	Non-irritant	OECD 439	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	LD50 (oral)	> 5000 mg/kg bw	OECD 401	Rat
	NOAEL (inhalation)	249 mg/m3	OECD 412	Rat
	LD50 (dermal)	> 5000 mg/kg bw	OECD 402	Rabbit
	NOAEL (oral) - estimate	50 mg/kg bw/d	Read across	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Chinese Hamster
	Genotoxicity - in vivo	Not genotoxic	-----	Mouse
Dodecanal	NOAEL (development) - estimate	Not teratogenic	Read across	
	NOAEL (fertility) - estimate	Not reprotoxic	Read across	
	Eye irritation	Non-irritant	OECD 405	Rabbit
	Skin irritation	Moderately irritant	OECD 404	Rabbit
	LD50 (dermal)	> 2000 mg/kg bw	-----	Rabbit
	Skin irritation	Mildly irritant		Human
	LD50 (oral)	23100 mg/kg bw	-----	Rat
	NOAEL (oral)	1409 mg/kg bw/d	OECD 408	Rat
	Skin irritation - estimate	Irritant	Read across	Rabbit
	Eye irritation - estimate	Irritant	Read across	Rabbit
Allyl 3-cyclohexylpropionate	Skin sensitisation - estimate	Sensitizing.	Read across	Mouse
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Chinese Hamster
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (fertility, oral)	125 mg/kg bw/d	OECD 415	Rat
	NOAEL (oral)	> 125 mg/kg bw/d		Rat
	LD50 (oral)	585 mg/kg bw	OECD 401	Rat
	LD50 (dermal)	1600 mg/kg bw	OECD 402	Rabbit
	Skin irritation	Non-irritant	-----	-----
	Eye irritation	Non-irritant	OECD 405	Rabbit
	NOAEL (development, oral)	10 mg/kg bw/d	OECD 414	Rat
3-(p-Methoxyphenyl)-2-methylpropionaldehyde	Skin sensitisation	Sensitizing.	OECD 406	
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	LD50 (oral)	> 5000 mg/kg bw		Rat
	Skin sensitisation	Sensitizing.	OECD 406	Guinea pig
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium



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Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	LD50 (oral)	3900 mg/kg bw		Rat
	Eye irritation	Slightly irritant		Rabbit
	Skin irritation	Irritant		Rabbit
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	Skin sensitisation - estimate	Sensitizing.	Read across	Guinea pig
	NOAEL (development) - estimate	25 mg/kg.d	Read across	Rat
	NOAEL (fertility) - estimate	Not reprotoxic	Read across	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (oral) - estimate	150 mg/kg bw/d	Read across	Rat
	LD50 (oral)	1300 mg/kg bw	OECD 401	Rat
p-Menth-1-en-4-ol	LD50 (dermal)	> 2500 mg/kg bw	OECD 402	Rabbit
	LC50 (inhalation)	> 1110 mg/m3	OECD 436	Rat
	NOAEL (oral) - estimate	250 mg/kg bw/d		Rat
	Skin sensitisation	Not sensitizing		Guinea pig
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 487	Human
	Skin irritation	Irritant	OECD 439	Human
	Eye irritation	Irritant	OECD 492	Human
	Skin sensitisation - estimate	Sensitizing.	OECD 442D	
	NOAEL (development) - estimate	> 200 mg/kg.d	OECD 414	Rat
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	NOAEL (fertility) - estimate	> 250 mg/kg.d	OECD 422	Rat
	LD50 (oral)	> 5000 mg/kg bw	OECD 401	Rat
	LD50 (dermal)	> 5000 mg/kg bw	OECD 402	Rat
	Skin irritation	Non-irritant	OECD 439	
	Eye irritation	Non-irritant	OECD 405	Rabbit
	NOAEL (oral)	> 717 mg/kg bw/d	OECD 422	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Positive	OECD 473	----
	NOAEL (fertility, oral)	> 1000 mg/kg bw/d	OECD 422	Rat
	NOAEL (development, oral)	> 1000 mg/kg bw/d	OECD 422	Rat
trans-delta-Damascone	NOEL (carcinogenicity) - estimate	Not carcinogenic		
	LD50 (dermal) - estimate	> 5000 mg/kg bw	Read across	
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	Skin irritation	Irritant	OECD 439	
	Skin sensitisation - estimate	Sensitizing.		
	LD50 (oral)	1400 mg/kg bw	----	Mouse
	NOAEL (oral) - estimate	30 mg/kg bw/d	Read across	Rat
	Genotoxicity - in vitro	Not genotoxic		
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Eye irritation	Non-irritant	OECD 438	



3,7,7-Trimethylbicyclo(4.1.0)hept-3-ene	NOAEL (development) - estimate	> 30 mg/kg.d	Read across	Rat
	NOAEL (fertility, oral)	85 mg/kg bw/d	OECD 407	
	LD50 (oral)	4800 mg/kg bw		Rat
	Skin sensitisation	Sensitizing.	-----	Guinea pig
	NOAEL (development, oral)	Not teratogenic	OECD 414	Rat
	Mutagenicity	Not mutagenic	-----	-----
	Skin irritation	Irritant	-----	-----
	Eye irritation	Non-irritant	OECD 405	Rabbit

11.2. Information on other hazards

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties at levels of 0.1% or higher.
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): 3 mg/l. Calculated EC50 (waterflea): 3 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 : Contains bioaccumulating substances.

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 : This product does not contain components considered to have endocrine disrupting properties at levels of 0.1% or higher.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
alpha-Hexylcinnamaldehyde	NOEC (fish)	0,93 mg/l	OECD 203	Pimephales promelas
	LC50 (fish)	1,7 mg/l	OECD 203	Pimephales promelas
	Ultimate aerobic biodegradation (%)	97 %	OECD 301 F	
	LC50 (alga)	> 0,32 mg/l	OECD 201	Desmodesmus subspicatus
	Log P(ow)	5,3		



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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 (alga)	> 20 mg/l	OECD 201	Desmodesmus subspicatus
Pin-2(3)-ene	Log P(ow)	4,288		
	Ultimate aerobic biodegradation (%)	62 %	OECD 301 B	
	LC50 (fish)	0,28 mg/l	-----	Pimephales promelas
	EC50 (waterflea)	1,44 mg/l	-----	Daphnia magna
p-Mentha-1,4(8)-diene	Log P(ow)	4,32		
	IC50 (alga)	> 3,38 mg/l		Selenastrum capricornutum
	EC50 (waterflea)	1,38 mg/l		Daphnia magna
	LC50 (fish)	1,21 mg/l		Pimephales promelas
Hexyl salicylate	Ultimate aerobic biodegradation (%)	62,1 %	OECD 301 B	
	Log P(ow)	5,1000		
	EC50 (waterflea)	0,357 mg/l	OECD 202	Daphnia magna
	IC50 (alga)	0,61 mg/l	OECD 201	Desmodesmus subspicatus
	LC50 (fish) - estimate	1,34 mg/l	-----	Brachydanio rerio
[3R-(3 α ,3a β ,7 β ,8a α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	Ultimate aerobic biodegradation (%)	91 %	OECD 301 F	
	NOEC (waterflea) - acute	0,140 mg/l	OECD 202	Daphnia magna
	Log P(ow)	5,5000		
	LC50 (fish) - estimate	0,055 mg/l	-----	
	EC50 (waterflea)	0,044 mg/l		Daphnia pulex
trans-delta-Damascone	Log P(ow)	6,38		
	LC50 (fish)	0,97 mg/l	OECD 203	Cryzias latipes
	NOEC (waterflea) - chronic	0,35 mg/l.d	OECD 211	Daphnia magna
	IC50 (alga)	4,54 mg/l	OECD 201	Pseudokirchnerella subcapitata
	Ultimate aerobic biodegradation (%)	16 %	OECD 301 C	
	Log P(ow)	4,2		

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 of into the environment, drains, sewers or 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. : None.

14.2. UN proper shipping name

Transport name : Not regulated.

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

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

Class : This product is not classified according to ADR/RID/ADN.

Other information : Exempted according to special provision 335.

IMDG (sea)

Class : This product is not classified according to IMDG.

Other information : Exempted according to special provision 335.

IATA (air)

Class : This product is not classified according to IATA.

14.6. Special precautions for user

Other information : Country specific variations may apply.

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).

PIC Regulation : Does not contain substances listed on the PIC list (Regulation EU 649/2012).

POP Regulation : Does not contain substances listed on the POP list (Regulation EU 2019/1021).

Ozone Regulation : Does not contain substances listed on the Ozone Depletion list (Regulation EU 1005/2009).

Explosives Precursors Regulation : Does not contain substances listed on the Explosives Precursors list (Regulation EU 2019/1148).

Drug Precursors Regulation : Does not contain substances listed on the Drug Precursors list (Regulation EC 273/2004).

SEVESO III Directive 2012/18/EU

Hazard code : E2

Hazard category : Environmental hazard

Qualifying quantity : 200

(tonnes) - lower

Qualifying quantity : 500

(tonnes) - upper

15.2. Chemical safety assessment



Chemical safety assessment : A Chemical Safety Assessment has not been carried out.

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 used (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	: The IMO International Code for construction and equipment of ships carrying dangerous chemicals in bulk.
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
PIC	: The Prior Informed Consent procedure for the import and export of certain hazardous chemicals and pesticides.
POP	: Persistent organic pollutants
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 Dam. 1	: Calculation method.
Skin Sens. 1/1A/1B	: Calculation method.
Aquatic Chronic 2	: Calculation method.

Full text of hazard classes mentioned in section 3:



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Flam. Liq. 3	: Flammable liquid, category 3.
Flam. Sol. 1	: Flammable solid, category 1.
Acute Tox. 3	: Acute toxicity, category 3.
Acute Tox. 4	: Acute toxicity, category 4.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Dam. 1	: Serious eye damage, category 1.
Eye Irrit. 2	: Eye irritation, category 2.
Skin Sens. 1/1A/1B	: Skin sensitization, category 1/1A/1B.
STOT SE 2	: Specific target organ toxicity after single exposure, category 2.
STOT SE 3	: Specific target organ toxicity after single exposure, category 3.
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.
H228	Flammable solid.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H371	May cause damage to organs.
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.

Country / Language code	: EC / EN
Number format	: "," used as decimal separator.

End of safety data sheet.