

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

1.1. Product identifier

Product name : LIMPRO PARFUM CARD ORCHID-MUSK
Product code : LP1V016
UFI : 9280-C0FU-200N-VA88

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

Application : SU21 Consumer product. PC3 Air care products for indoor rooms (continuous action). Airfreshener.

1.3. Details of the supplier of the safety data sheet

Supplier : Dovox B.V.
Computerweg 3
3542 DP UTRECHT, 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 *

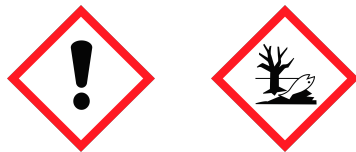
2.1. Classification of the substance or mixture

CLP classification : Skin irritation, category 2. Eye irritation, category 2. Skin sensitization, category 1. Hazardous to the aquatic environment — Chronic category 2.
Human health hazards : Causes skin irritation. Causes serious eye irritation. 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 (1272/2008/EC):

Hazard pictograms :



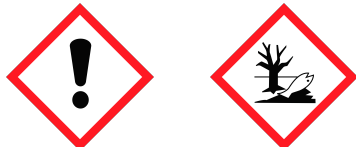
Signal word : Warning

H- and P-phrases : H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 gloves Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P273 Avoid release to the environment.

P391 Collect spillage.
 P501 Dispose of contents/container to an official chemical waste depot.

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

Hazard pictograms :



Signal word : Warning

H- and P-phrases :

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

Additional labelling (for all packaging sizes)

: Contains: Geranyl acetate ; Hexyl salicylate ; Linalool ; Linalyl acetate ; Citronellol ; alpha-Hexylcinnamaldehyde ; 3-p-Cumenyl-2-methylpropionaldehyde ; 3,7-Dimethylnona-1,6-dien-3-ol ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; 3,7-Dimethyloctan-3-ol ; d-Limonene ; Alpha-methyl-1,3-benzodioxole-5-propionaldehyde ; 7-Hydroxycitronellal ; Geraniol ; Allyl ionone ; (Ethoxymethoxy)cyclododecane ; [3R-(3 α ,3 α β ,6 α ,7 β ,8 α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene ; Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde ; 2,6-Dimethylhept-5-enal ; 3-Methylcyclopentadecanone ; (-)-Pin-2(10)-ene ; (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one .

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances. 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. Environment: This product does not contain components considered to have endocrine disrupting properties for human health according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

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.
Geranyl acetate	10 - < 25	105-87-3	203-341-5		01-2119973480-35
Hexyl salicylate	10 - < 25	6259-76-3	228-408-6		01-2119638275-36
Linalool	5 - < 10	78-70-6	201-134-4		01-2119474016-42
Benzyl acetate	5 - < 10	140-11-4	205-399-7		01-2119638272-42
Linalyl acetate	5 - < 10	115-95-7	204-116-4		01-2119454789-19
Citronellol	5 - < 10	106-22-9	203-375-0		01-2119453995-23
alpha-Hexylcinnamaldehyde	2,5 - < 5	101-86-0	202-983-3		01-2119533092-50
p-Anisaldehyde	1 - < 5	123-11-5	204-602-6		01-2119977101-43
3-p-Cumenyl-2-methylpropionaldehyde	1 - < 5	103-95-7	203-161-7		01-2119970582-32
3,7-Dimethylnona-1,6-dien-3-ol	1 - < 5	10339-55-6	233-732-6		01-2119969272-32



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Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	1 - < 5	63500-71-0	405-040-6		01-2119455547-30
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	1 - < 5	54464-57-2	259-174-3		01-2119489989-04
3-Methyl-5-phenylpentanol	1 - < 5	55066-48-3	259-461-3		01-2119969446-23
Reaction products of (2,2,3-trimethylcyclopent-3-en-1-yl)acetaldehyde and butan-2-one, hydrogenated	1 - < 5	1471313-03-7	939-525-3		01-2119975588-15
3,7-Dimethyloctan-3-ol	1 - < 5	78-69-3	201-133-9		01-2119454788-21
Cis-2-tert-butylcyclohexyl acetate	1 - < 5	20298-69-5	243-718-1		01-2119970713-33
d-Limonene	1 - < 5	5989-27-5	227-813-5		01-2119529223-47
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1 - < 3	1205-17-0	214-881-6		01-2120740119-58
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	1 - < 5	127-51-5	204-846-3		01-2120138569-45
7-Hydroxycitronellal	1 - < 5	107-75-5	203-518-7		01-2119973482-31
Geraniol	1 - < 3	106-24-1	203-377-1		01-2119552430-49
Oxydipropanol	1 - < 5	25265-71-8	246-770-3	MAC	
Allyl ionone	0,1 - < 1	-----	904-551-6		01-2120746535-50
(Ethoxymethoxy)cyclododecane	0,1 - < 1	58567-11-6	261-332-1		01-2119971571-34
[3R-(3α,3αβ,6α,7β,8α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	0,1 - < 1	67874-81-1	267-510-5		01-2120228335-61
(Z)-3-hexenyl salicylate	0,1 - < 1	65405-77-8	265-745-8		01-2119987320-37
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
2,6-Dimethylhept-5-enal	0,1 - < 1	106-72-9	203-427-2		01-2120270305-62
3-Methylcyclopentadecanone	0,1 - < 1	82356-51-2	429-900-5		01-0000017618-62
(-)-Pin-2(10)-ene	0,1 - < 1	18172-67-3	242-060-2		01-2119519230-54
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	0,01 - < 0,1	23726-93-4	245-844-2		01-2120105798-49

Substance name	Hazard Class	H-phrases	Pictograms	
Geranyl acetate	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 3	H315; H317; H412	GHS07	
Hexyl salicylate	Skin Irrit. 2; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1	H315; H317; H400; H410	GHS07; GHS09	M (acute) = 1 M (chronic) = 1
Linalool	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Benzyl acetate	Aquatic Chronic 3	H412		
Linalyl acetate	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Citronellol	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
alpha-Hexylcinnamaldehyde	Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 2	H317; H400; H411	GHS07; GHS09	M (acute) = 1
p-Anisaldehyde	Aquatic Chronic 3	H412		
3-p-Cumenyl-2-methylpropionaldehyde	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 3	H315; H317; H412	GHS07	
3,7-Dimethylnona-1,6-dien-3-ol	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Eye Irrit. 2	H319	GHS07	



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1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one 3-Methyl-5-phenylpentanol	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 1 Acute Tox. 4; STOT RE 2	H315; H317; H410 H302; H373	GHS07; GHS09 GHS07; GHS08	M (chronic) = 1
Reaction products of (2,2,3-trimethylcyclopent-3-en-1-yl)acetaldehyde and butan-2-one, hydrogenated 3,7-Dimethyloctan-3-ol	Eye Irrit. 2; Aquatic Chronic 2 Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H319; H411 H315; H317; H319	GHS07; GHS09 GHS07	
Cis-2-tert-butylcyclohexyl acetate d-Limonene	Aquatic Chronic 2 Flam. Liq. 3; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 3	H411 H226; H304; H315; H317; H400; H412	GHS09 GHS02; GHS07; GHS08; GHS09	M (acute) = 1
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde 3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one 7-Hydroxycitronellal	Skin Sens. 1B; Repr. 2; Aquatic Chronic 2 Aquatic Chronic 2 Skin Sens. 1B; Eye Irrit. 2	H317; H361fd; H411 H411 H317; H319	GHS07; GHS08; GHS09 GHS09 GHS07	
Geraniol	Skin Irrit. 2; Skin Sens. 1B; Eye Dam. 1	H315; H317; H318	GHS05; GHS07	
Oxydipropanol Allyl ionone	----- Skin Sens. 1B; Aquatic Chronic 2	----- H317; H411	----- GHS07; GHS09	
(Ethoxymethoxy)cyclododecane	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 2	H315; H317; H411	GHS07; GHS09	
[3R-(3 α ,3 α ,6 α ,7 β ,8 α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (Z)-3-hexenyl salicylate	Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1 Aquatic Acute 1; Aquatic Chronic 1	H317; H400; H410 H400; H410	GHS07; GHS09 GHS09	M (acute) = 1 M (chronic) = 1 M (acute) = 1 M (chronic) = 1
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde 2,6-Dimethylhept-5-enal 3-Methylcyclopentadecenone	Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2 Skin Sens. 1B Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1	H315; H317; H411 H317 H317; H400; H410	GHS07; GHS09 GHS07 GHS07; GHS09	M (acute) = 1 M (chronic) = 1
(-)-Pin-2(10)-ene	Flam. Liq. 3; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1	H226; H304; H315; H317; H400; H410	GHS02; GHS07; GHS08; GHS09	M (acute) = 1 M (chronic) = 1
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	Skin Irrit. 2; Skin Sens. 1A; Aquatic Chronic 2	H315; H317; H411	GHS07; GHS09	

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

- 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 : 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 : Carbon dioxide (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. 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. Keep away from oxidizing agents.
Recommended packaging : Keep only in the original container.
Non recommended packaging : None known.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *

8.1. Control parameters

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

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments	Source
Benzyl acetate		5	-		MAC: LT
d-Limonene		28	80		MAC: DE, CH
Oxydipropanol		67	-		MAC: DE

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
Geranyl acetate	Inhalation				62,59 mg/m ³
	Dermal				35,5 mg/kg bw/day
Hexyl salicylate	Dermal	0,885 mg/kg bw		0,885 mg/kg bw/day	6,4 mg/kg bw/day
Linalool	Inhalation				1.7 mg/m ³
	Inhalation				24.58 mg/m ³
	Dermal	3 mg/kg bw		3 mg/kg bw/day	3.5 mg/kg bw/day
Benzyl acetate	Inhalation				9 mg/m ³
	Dermal				2.5 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/m ³
Citronellol	Inhalation	10 mg/m ³		10 mg/m ³	161,6 mg/m ³
	Dermal	2,950 mg/kg bw			327,4 mg/kg bw/day
alpha-Hexylcinnamaldehyde	Inhalation	6,28 mg/m ³			0,078 mg/m ³



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p-Anisaldehyde	Dermal	0,525 mg/kg bw		0,525 mg/kg bw/day	18,2 mg/kg bw/day
	Dermal				3,33 mg/kg bw/day
	Inhalation				5,88 mg/m3
3-p-Cumenyl-2-methylpropionaldehyde	Inhalation				5,83 mg/m3
	Dermal			0,00743 mg/kg bw/day	1,67 mg/kg bw/day
3,7-Dimethylnona-1,6-dien-3-ol	Inhalation		18 mg/m3		3 mg/m3
	Dermal	1,6 mg/kg bw	5,5 mg/kg bw	1,6 mg/kg bw/day	2,7 mg/kg bw/day
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Inhalation				44,1 mg/m3
	Dermal				41,7 mg/kg bw/day
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Inhalation				30 mg/m3
	Dermal			0,648 mg/kg bw/day	28,7 mg/kg bw/day
3-Methyl-5-phenylpentanol	Inhalation		5,3 mg/m3		0,88 mg/m3
	Dermal		3 mg/kg bw	0,13 mg/kg bw/day	0,5 mg/kg bw/day
3,7-Dimethyloctan-3-ol	Inhalation				11,14 mg/m3
	Dermal			0,190 mg/kg bw/day	3,16 mg/kg bw/day
d-Limonene	Inhalation				66,7 mg/m3
	Dermal				9,5 mg/kg bw/day
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Inhalation				1,2 mg/m3
	Dermal			0,01 mg/kg bw/day	0,17 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
7-Hydroxycitronellal	Inhalation				18 mg/m3
	Dermal			0,5 mg/kg bw/day	1,9 mg/kg bw/day
Geraniol	Inhalation				161,6 mg/m3
	Dermal				12,5 mg/kg bw/day
Oxydipropanol	Dermal				84 mg/kg bw/day
	Inhalation				238 mg/m3
Allyl ionone	Inhalation				6,2 mg/m3
	Dermal			0,232 mg/kg bw/day	1,75 mg/kg bw/day
(Ethoxymethoxy)cyclododecane	Inhalation				23,5 mg/m3
	Dermal				3,3 mg/kg bw/day
[3R-(3 α ,3 β ,6 α ,7 β ,8 α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	Inhalation				16,1 mg/m3
	Dermal			2,03 mg/kg bw/day	4,5 mg/kg bw/day
(Z)-3-hexenyl salicylate	Inhalation				1,59 mg/m3
	Dermal				0,9 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
(-)-Pin-2(10)-ene	Inhalation				5,69 mg/m3



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(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	Dermal			0,054 mg/kg bw/day	0,8 mg/kg bw/day
	Inhalation				2,71 mg/m ³
	Dermal				0,77 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
Geranyl acetate	Inhalation				15,4 mg/m ³
	Dermal				17,75 mg/kg bw/day
	Oral				8,9 mg/kg bw/day
Hexyl salicylate	Dermal	0.4425 mg/kg bw		0,4425 mg/kg bw/day	3,2 mg/kg bw/day
	Inhalation				0,4 mg/m ³
Linalool	Oral				0,3 mg/kg bw/day
	Dermal	1.5 mg/kg bw		1.5 mg/kg bw/day	1.25 mg/kg bw/day
	Inhalation				4.33 mg/m ³
Benzyl acetate	Oral				2.49 mg/kg bw/day
	Inhalation				2.2 mg/m ³
	Dermal				1.3 mg/kg bw/day
Linalyl acetate	Oral		6,25 mg/kg bw		1.3 mg/kg bw/day
	Dermal	0,2362 mg/kg bw		0,2362 mg/kg bw/day	1,25 mg/kg bw/day
	Inhalation				0,68 mg/m ³
Citronellol	Oral				0,2 mg/kg bw/day
	Inhalation	10 mg/m ³		10 mg/m ³	47,8 mg/m ³
	Dermal	2,950 mg/kg bw			196,4 mg/kg bw/day
alpha-Hexylcinnamaldehyde	Oral				13,8 mg/kg bw/day
	Inhalation	4,71 mg/m ³			0,019 mg/m ³
	Dermal	0,0787 mg/kg bw		0,0787 mg/kg bw/day	9,11 mg/kg bw/day
p-Anisaldehyde	Oral				0,056 mg/kg bw/day
	Inhalation				1,74 mg/m ³
	Dermal				2 mg/kg bw/day
3-p-Cumenyl-2-methylpropionaldehyde	Oral				1 mg/kg bw/day
	Inhalation				1,45 mg/m ³
	Dermal			0,00372 mg/kg bw/day	0,83 mg/kg bw/day
3,7-Dimethylnona-1,6-dien-3-ol	Oral				0,83 mg/kg bw/day
	Inhalation		4,4 mg/m ³		0,74 mg/m ³
	Dermal	1,6 mg/kg bw	2,7 mg/kg bw	1,6 mg/kg bw/day	1,4 mg/kg bw/day
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Oral		1,3 mg/kg bw		0,2 mg/kg bw/day
	Inhalation				13 mg/m ³
	Dermal				25 mg/kg bw/day
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Oral				7,5 mg/kg bw/day
	Inhalation				9 mg/m ³
	Dermal			0.380 mg/kg bw/day	17.2 mg/kg bw/day
	Oral				3 mg/kg bw/day



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3-Methyl-5-phenylpentanol	Oral		0,375 mg/kg bw		0,06 mg/kg bw/day
	Inhalation		1,3 mg/m3		0,21 mg/m3
	Dermal	0,39 mg/kg bw	1,5 mg/kg bw	0,065 mg/kg bw/day	0,25 mg/kg bw/day
	Inhalation				2,75 mg/m3
3,7-Dimethyloctan-3-ol	Dermal			0,190 mg/kg bw/day	1,58 mg/kg bw/day
d-Limonene	Oral				1,58 mg/kg bw/day
	Inhalation				16,6 mg/m3
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Dermal				4,8 mg/kg bw/day
	Oral				4,8 mg/kg bw/day
	Inhalation				0,29 mg/m3
	Dermal			0,005 mg/kg bw/day	0,083 mg/kg bw/day
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Oral				0,17 mg/kg bw/day
	Inhalation				1,45 mg/m3
	Dermal				0,0446 mg/kg bw/day
	Oral				0,0355 mg/kg bw/day
7-Hydroxycitronellal	Inhalation				5,4 mg/m3
	Dermal			0,5 mg/kg bw/day	1,1 mg/kg bw/day
Geraniol	Oral				0,6 mg/kg bw/day
	Inhalation				47,8 mg/m3
	Dermal				7,5 mg/kg bw/day
	Oral				13,75 mg/kg bw/day
Oxydipropanol	Dermal				51 mg/kg bw/day
	Inhalation				70 mg/m3
Allyl ionone	Oral				24 mg/kg bw/day
	Inhalation				1,83 mg/m3
	Dermal			0,116 mg/kg bw/day	1,05 mg/kg bw/day
	Oral				1,05 mg/kg bw/day
(Ethoxymethoxy)cyclododecane	Inhalation				5,8 mg/m3
	Dermal				1,67 mg/kg bw/day
	Oral				1,67 mg/kg bw/day
	Inhalation				4,7 mg/m3
[3R-(3α,3aβ,6α,7β,8α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	Dermal			1,22 mg/kg bw/day	2,7 mg/kg bw/day
	Oral				2,7 mg/kg bw/day
(Z)-3-hexenyl salicylate	Inhalation				0,39 mg/m3
	Dermal				0,45 mg/kg bw/day
	Oral				0,23 mg/kg bw/day
	Inhalation				0,543 mg/m3
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Oral				0,312 mg/kg bw/day
	Dermal				0,312 mg/kg bw/day
(-)-Pin-2(10)-ene	Inhalation				1 mg/m3
	Dermal			0,027 mg/kg bw/day	0,3 mg/kg bw/day
	Oral				0,3 mg/kg bw/day



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(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	Inhalation				0,67 mg/m ³
	Dermal				0,38 mg/kg bw/day
	Oral				0,38 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Geranyl acetate	Water	0,00372 mg/l	0.00037 mg/l	
	Sediment	0,442 mg/kg	0,442 mg/kg	
	Intermittent water			0,0372 mg/l
	STP			8 mg/l
Hexyl salicylate	Soil			0,0859 mg/kg
	Water	0 mg/l	0 mg/l	
	Sediment	0,272 mg/kg	0.027 mg/kg	
	Intermittent water			0,0036 mg/l
Linalool	STP			10 mg/l
	Soil			0.054 mg/kg
	Water	0,2 mg/l	0,02 mg/l	
	Sediment	2,22 mg/kg	0,222 mg/kg	
Benzyl acetate	Intermittent water			2 mg/l
	STP			10 mg/l
	Soil			0,327 mg/kg
	Oral			7,8 mg/kg food
	Water	0.018 mg/l	0.002 mg/l	
Linalyl acetate	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
Citronellol	Water	0,011 mg/l	0,001 mg/l	
	Sediment	0,609 mg/kg	0,061 mg/kg	
	Intermittent water			0,11 mg/l
	STP			1 mg/l
alpha-Hexylcinnamaldehyde	Soil			0,115 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
p-Anisaldehyde	STP			580 mg/l
	Soil			0.004 mg/kg
	Water	0.001 mg/l		
	Sediment	3.2 mg/kg	0.064 mg/kg	
	Intermittent water			0,03 mg/l
3-p-Cumenyl-2-methylpropionaldehyde	STP			10 mg/l
	Soil			0.398 mg/kg
	Oral			6.6 mg/kg food
	Water	0,013 mg/l	0,0013 mg/l	
	Sediment	0,06 mg/kg	0,006 mg/kg	
3,7-Dimethylnona-1,6-dien-3-ol	Intermittent water			0,8111 mg/l
	STP			8,5 mg/l
	Soil			0,004 mg/kg
	Water	0,00109 mg/l	0,00011 mg/l	
	Sediment	0,126 mg/kg	0.013 mg/kg	
3,7-Dimethylnona-1,6-dien-3-ol	Intermittent water			0,01092 mg/l
	STP			1 mg/l
	Soil			0.025 mg/kg
	Oral			33.3 mg/kg food
	Water	0,023 mg/l	0,0023 mg/l	
Sediment	0,223 mg/kg	0,0223 mg/kg		



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Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Intermittent water			0,23 mg/l
	STP			10 mg/l
	Soil			0,031 mg/kg
	Oral			8,53 mg/kg food
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Water	0,094 mg/l	0,009 mg/l	
	Sediment	0,412 mg/kg	0,041 mg/kg	
	Intermittent water			0,94 mg/l
	STP			10 mg/l
3-Methyl-5-phenylpentanol	Soil			0,09 mg/kg
	Water	0,0044 mg/l	0,00044 mg/l	
	Sediment	3,73 mg/kg	0,75 mg/kg	
	STP			10 mg/l
Reaction products of (2,2,3-trimethylcyclopent-3-en-1-yl)acetaldehyde and butan-2-one, hydrogenated	Soil			2,7 mg/kg
	Oral			26,7 mg/kg food
	Water	0,013 mg/l	0,001 mg/l	
	Sediment	1,034 mg/kg	0,103 mg/kg	
3,7-Dimethyloctan-3-ol	STP			10 mg/l
	Soil			0,199 mg/kg
	Oral			10 mg/kg food
	Water	0,0011 mg/l	0,00011 mg/l	
Cis-2-tert-butylcyclohexyl acetate	Sediment	0,145 mg/kg	0,0145 mg/kg	
	STP			0,4 mg/l
	Soil			0,0284 mg/kg
	Oral			66,67 mg/kg food
d-Limonene	Water	0,009 mg/l	0,001 mg/l	
	Sediment	0,082 mg/kg	0,008 mg/kg	
	Intermittent water			0,089 mg/l
	STP			450 mg/l
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Soil			0,011 mg/kg
	Water	0,011 mg/l	0,0011 mg/l	
	Sediment	1,5 mg/kg	0,15 mg/kg	
	Intermittent water			0,017 mg/l
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	STP			10 mg/l
	Soil			0,293 mg/kg
	Water	0,014 mg/l	0,0014 mg/l	
	Sediment	3,85 mg/kg	0,385 mg/kg	
7-Hydroxycitronellal	STP			1,8 mg/l
	Soil			0,763 mg/kg
	Oral			133 mg/kg food
	Water	0,005 mg/l	0,001 mg/l	
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Sediment	0,057 mg/kg	0,006 mg/kg	
	STP			10 mg/l
	Soil			0,008 mg/kg
	Water	0,00143 mg/l	0,000143 mg/l	
7-Hydroxycitronellal	Sediment	0,443 mg/kg	0,0443 mg/kg	
	STP			10 mg/l
	Soil			0,0878 mg/kg
	Water	0,0316 mg/l	0,00316 mg/l	
7-Hydroxycitronellal	Sediment	0,145 mg/kg	0,015 mg/kg	
	STP			10 mg/l



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Geraniol	Soil			0,011 mg/kg
	Water	0,0108 mg/l	0,0010 mg/l	
	Sediment	0,115 mg/kg	0,0115 mg/kg	
	Intermittent water			0,108 mg/l
Oxydipropanol	STP			0,7 mg/l
	Soil			0,0167 mg/kg
	Water	0,1 mg/l	0,01 mg/l	
	Sediment	0,238 mg/kg	0,0238 mg/kg	
	Intermittent water			1 mg/l
	STP			1000 mg/l
Allyl ionone	Soil			0,0253 mg/kg
	Oral			313 mg/kg food
	Water	0,003 mg/l	0 mg/l	
	Sediment	7,28 mg/kg	0,728 mg/kg	
(Ethoxymethoxy)cyclododecane	STP			3,5 mg/l
	Soil			1,45 mg/kg
	Water	0,0016 mg/l	0,00016 mg/l	
	Sediment	2,35 mg/kg	0,235 mg/kg	
	Intermittent water			0,016 mg/l
[3R-(3 α ,3 α β ,6 α ,7 β ,8 α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	STP			100 mg/l
	Soil			0,468 mg/kg
	Oral			33,3 mg/kg food
	Water	0,00043 mg/l	0,000043 mg/l	
	Sediment	1,29 mg/kg	0,129 mg/kg	
(Z)-3-hexenyl salicylate	STP			100 mg/l
	Soil			0,257 mg/kg
	Water	0,00061 mg/l	0,000061 mg/l	
	Sediment	0,11 mg/kg	0,011 mg/kg	
	Intermittent water			0,0061 mg/l
	STP			10 mg/l
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Soil			0,0217 mg/kg
	Oral			40 mg/kg food
	Water	0,0075 mg/l	0,00075 mg/l	
	Sediment	0,226 mg/kg	0,023 mg/kg	
	STP			10 mg/l
3-Methylcyclopentadecenone	Soil			0,041 mg/kg
	Water	0,00242 mg/l	0,0022 mg/l	
	Sediment	3,66 mg/kg	0,37 mg/kg	
	STP			10 mg/l
	Soil			2,34 mg/kg
(-)-Pin-2(10)-ene	Oral			111,1 mg/kg food
	Water	0,001 mg/l	0,0001 mg/l	
	Sediment	0,337 mg/kg	0,034 mg/kg	
	STP			3,26 mg/l
	Soil			0,067 mg/kg
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	Oral			13,1 mg/kg food
	Water	0,00109 mg/l	0,0011 mg/l	
	Sediment	0,087 mg/kg	0,00867 mg/kg	
	STP			3,2 mg/l
	Soil			0,017 mg/kg
	Oral			6,67 mg/kg food

8.2. Exposure controls

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

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

Personal protective equipment:

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



- Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: 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. ± 0,5 mm. Indication of permeation breakthrough time: not known.
- 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	: Light yellow.	
Odour	: Perfumed.	
Odour threshold	: Not known.	
pH	: Not applicable.	Waterfree product.
Solubility in water	: Not soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	Not measured. Not relevant for mixtures.
Flash point	: > 100 °C	Closed cup.
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 225 °C	
Boiling point/boiling range	: > 100 °C	
Melting point/melting range	: < 0 °C	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,7 (Linalyl acetate)
		Upper explosion limit in air (%): 6,5 (d-Limonene)
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	: > 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: > 7,701 mg/l. Ingredients of unknown toxicity: 83 %. ATE: > 5 mg/l. Not classified due to lack of data.
- 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: > 4019 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 : Irritant.

Ingestion

- Acute toxicity : Calculated LD50: > 3540 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.



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- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not classified - Based on available data, the classification criteria are not met.
Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
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
	Mutagenicity	Negative	OECD 471	-----
Hexyl salicylate	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
	NOAEL (development) - estimate	Not teratogenic	Read across	
	NOAEL (fertility) - estimate	Not reprotoxic	Read across	
	Eye irritation	Non-irritant	OECD 405	Rabbit
Linalool	Skin irritation	Moderately irritant	OECD 404	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
Linalyl acetate	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



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Citronellol	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 406	Guinea pig	
	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	
alpha-Hexylcinnamaldehyde	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	
	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	
	Skin sensitisation	2372 ug/cm2	OECD 429	Mouse	
3-p-Cumenyl-2-methylpropionaldehyde	Skin irritation	Moderately irritant	OECD 404	Rabbit	
	NOAEL (dermal)	25 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	
	3,7-Dimethylnona-1,6-dien-3-ol	LD50 (dermal)	> 5000 mg/kg bw	-----	Rat
		LD50 (oral)	5000 mg/kg bw	-----	Rat
		LD50 (dermal)	> 5000 mg/kg bw	-----	Rabbit
		NOAEL (oral) - estimate	117 mg/kg bw/d	Read across	Rat
NOAEL (dermal) - estimate		250 mg/kg bw/d	Read across	Rat	
Mutagenicity		Not mutagenic	OECD 471	Salmonella typhimurium	
Genotoxicity - estimate		Not genotoxic	Read across		
Skin irritation		Irritant	-----	Rabbit	
Eye irritation		Irritant	-----	Rabbit	
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)		NOAEL (developmental toxicity, dermal)	> 1000 mg/kg bw/d	-----	Rat



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1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LD50 (oral)	> 5000 mg/kg bw	----	Rat	
	LD50 (dermal)	> 2000 mg/kg bw	----	Rabbit	
	Eye irritation	Irritant	----	Rabbit	
	Skin irritation	Non-irritant	----	Rabbit	
	Skin irritation	Non-irritant	Patch test	Human	
	Genotoxicity - in vitro	Not genotoxic	OECD 473	----	
	Genotoxicity - in vivo	> 600 mg/kg bw/d	OECD 474	Mouse	
	NOAEL (dermal)	> 1000 mg/kg bw/d	OECD 411		
	NOAEL (oral)	125 mg/kg bw/d	OECD 407	Rat	
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium	
	NOAEL (fertility, dermal)	> 1000 mg/kg bw/d		Rat	
	Skin irritation	Non-irritant	----	Rabbit	
	Skin sensitisation	6825 ug/cm2	OECD 429	Mouse	
Reaction products of (2,2,3-trimethylcyclopent-3-en-1-yl)acetaldehyde and butan-2-one, hydrogenated	LD50 (oral)	> 5000 mg/kg bw	----	Rat	
	LD50 (dermal)	> 5000 mg/kg bw	----	Rat	
	Mutagenicity	Not mutagenic	OECD 471	----	
	NOAEL (development, oral)	480 mg/kg bw/d	OECD 414	Rat	
	LC50 (inhalation) - estimate	> 22360 mg/m3	Read across		
	LD50 (oral)	> 6700 mg/kg bw	OECD 401	Rat	
	3,7-Dimethyloctan-3-ol	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rabbit
		Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
		NOAEL (oral)	1000 mg/kg bw/d	OECD 407	Rat
		Mutagenicity	Not mutagenic	OECD 471	Salmonella typhimurium
		Skin irritation	Moderately irritant	OECD 404	Rabbit
		Eye irritation	Irritant	OECD 405	Rabbit
		NOAEL (fertility, oral)	1000 mg/kg bw/d	OECD 421	Rat
		LD50 (oral)	8270 mg/kg bw		Rat
LD50 (dermal)		> 5000 mg/kg bw		Rabbit	
Mutagenicity		Negative	OECD 471	Salmonella typhimurium	
Genotoxicity - in vitro		Not genotoxic	OECD 473		
NOAEL (oral)		316 mg/kg bw/d	OECD 408	Rat	
NOAEL (dermal) - estimate		250 mg/kg bw/d	Read across	Rat	
NOAEL (fertility) - estimate		365 mg/kg.d	Read across	Rat	
NOAEL (development, oral)	1000 mg/kg bw/d	OECD 414	Rat		
d-Limonene	Skin irritation	Irritant		Rabbit	
	Eye irritation	Non-irritant		Rabbit	
	LC50 (inhalation) - estimate	> 5000 mg/m3		Rat	
	Skin sensitisation	Sensitizing.	OECD 429	Mouse	
	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	



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Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	NOAEL (development, oral)	600 mg/kg bw/d		Rat
	Skin irritation	Irritant	----	----
	LD50 (dermal)	> 2000 mg/kg bw	----	Rabbit
	LD50 (oral)	> 2000 mg/kg bw	OECD 423	Rat
	Genotoxicity - in vitro	Not genotoxic		
	NOAEL (oral)	150 mg/kg bw/d		Rat
	Skin sensitisation	4100 ug/cm2	OECD 429	----
	NOAEL (dermal)	> 300 mg/kg bw/d	----	Rat
	NOAEL (development, oral)	> 500 mg/kg bw/d		Rat
	Skin irritation	Non-irritant		
7-Hydroxycitronellal	LD50 (oral)	3600 mg/kg bw	----	Rat
	LD50 (dermal)	> 2000 mg/kg bw	----	Rabbit
	Skin irritation	Non-irritant		
	NOAEL (fertility, oral)	100 mg/kg bw/d	OECD 422	Rat
	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		
Geraniol	LD50 (oral)	> 5000 mg/kg bw	----	Rat
	NOEL (oral)	250 mg/kg bw/d		Mouse
	Genotoxicity - in vivo	Not genotoxic		
	NOEL (carcinogenicity) - estimate	Not carcinogenic		
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	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	
Allyl ionone	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
	NOAEL (fertility, dermal)	> 300 mg/kg bw/d	OECD 421	Rat
	Skin sensitisation	3525 ug/cm2	OECD 429	Mouse
	LD50 (oral)	8836 mg/kg bw	OECD 401	Mouse
	LD50 (dermal)	> 5000 mg/kg bw	OECD 402	Rabbit
	Skin irritation	Non-irritant		
(Ethoxymethoxy)cyclododecane	Eye irritation	Non-irritant		
	NOAEL (oral)	42 mg/kg bw/d	OECD 408	Rat
	Genotoxicity - in vitro	Not genotoxic		
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (fertility, oral)	> 137 mg/kg bw/d	OECD 422	Rat
	NOAEL (development, oral)	> 168 mg/kg bw/d	OECD 422	Rat
	LD50 (oral)	> 5000 mg/kg bw	OECD 401	Rat
	LD50 (dermal)	> 5000 mg/kg bw	OECD 402	Rabbit
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium



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[3R-(3α,3aβ,6α,7β,8α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	Genotoxicity - in vitro	Not genotoxic	OECD 476	Chinese Hamster
	Skin irritation	Irritant	OECD 404	Rabbit
	Eye irritation	Non-irritant	OECD 405	Rabbit
	NOAEL (oral)	1000 mg/kg bw/d	OECD 422	Rat
	NOAEL (development, oral)	1000 mg/kg bw/d	OECD 422	Rat
	NOAEL (fertility, oral)	1000 mg/kg bw/d	OECD 422	Rat
	Skin sensitisation	Sensitizing.	OECD 429	Mouse
	LD50 (oral)	> 5000 mg/kg bw	OECD 401	Rat
	LD50 (dermal)	> 5000 mg/kg bw	OECD 402	Rabbit
	LC50 (inhalation) - estimate	> 13000 mg/m3	Read across	
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
	Genotoxicity - estimate	Not genotoxic	Read across	
	NOAEL (oral) - estimate	150 mg/kg bw/d	Read across	Rat
2,6-Dimethylhept-5-enal	LD50 (oral)	> 5000 mg/kg bw	-----	Rat
	LD50 (dermal)	> 5000 mg/kg bw	-----	Rabbit
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	NOAEL (oral)	300 mg/kg bw/d	-----	Rat
	Skin sensitisation	Sensitizing.	OECD 429	Mouse
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	Skin irritation	Non-irritant	OECD 404	Rabbit
	LD50 (dermal)	> 2000 mg/kg bw	-----	Rabbit
	LD50 (oral)	> 2000 mg/kg bw	-----	Rat
3-Methylcyclopentadecenone	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 473	-----
	NOAEL (fertility, oral)	> 1000 mg/kg bw/d	OECD 415	Rat
	Eye irritation	Non-irritant	OECD 405	Rabbit
	LD50 (oral) - estimate	> 2000 mg/kg bw	Read across	Rat
	LD50 (dermal) - estimate	> 5000 mg/kg bw	Read across	Rabbit
	Mutagenicity - estimate	Not mutagenic	Read across	Salmonella typhimurium
	LD50 (dermal) - estimate	> 2150 mg/kg bw	Read across	Rat
	LD50 (oral)	> 2000 mg/kg bw	-----	Rat
	Skin irritation	Irritant	-----	-----
(-)-Pin-2(10)-ene	Eye irritation - estimate	Non-irritant	Read across	Rabbit
	Skin sensitisation	305 ug/cm2	OECD 429	Mouse
	NOAEL (oral) - estimate	30 mg/kg bw/d	Read across	Rat
	(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one			
	LD50 (oral)	> 2000 mg/kg bw	-----	Rat
	Skin irritation	Irritant	-----	-----
	Eye irritation - estimate	Non-irritant	Read across	Rabbit
	Skin sensitisation	305 ug/cm2	OECD 429	Mouse
	NOAEL (oral) - estimate	30 mg/kg bw/d	Read across	Rat



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	NOAEL (development) - estimate	400 mg/kg.d	Read across	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 476	-----

11.2. Information on other hazards

Endocrine disrupting properties : The mixture does not contain components considered to have endocrine disrupting properties for human health according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

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): 2 mg/l. Calculated EC50 (waterflea): 1 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.

12.6. Endocrine disrupting properties

Endocrine disrupting properties : The mixture does not contain components considered to have endocrine disrupting properties for human health according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Hexyl salicylate	EC50 (waterflea)	0,357 mg/l	OECD 202	Daphnia magna
	LC50 (algae)	0,61 mg/l	OECD 201	Desmodesmus subspicatus
	LC50 (fish) - estimate	1,34 mg/l	-----	Brachydanio rerio
	Ultimate aerobic biodegradation (%)	91 %	OECD 301 F	
	NOEC (waterflea) - acute	0,140 mg/l	OECD 202	Daphnia magna
alpha-Hexylcinnamaldehyde	Log P(ow)	5,5000		
	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	



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1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	IC50 (alga)	> 0,32 mg/l	OECD 201	Desmodesmus subspicatus
	Log P(ow)	5,3		
	EC50 (waterflea)	1,38 mg/l	OECD 202	-----
Reaction products of (2,2,3-trimethylcyclopent-3-en-1-yl)acetaldehyde and butan-2-one, hydrogenated	IC50 (alga)	> 2,6 mg/l	OECD 201	-----
	LC50 (fish)	1,3 mg/l	OECD 203	-----
	Log P(ow)	5,23		
	BCF	600		
	EC50 (waterflea)	1,1 mg/l	OECD 202	Daphnia magna
Cis-2-tert-butylcyclohexyl acetate	IC50 (alga)	> 17 mg/l	OECD 201	Pseudokirchnerella subcapitata
	Ultimate aerobic biodegradation (%)	78 %	OECD 301 F	
	LC50 (fish)	2,3 mg/l	OECD 203	Pimephales promelas
	LC50 (fish)	5,6 mg/l		Brachydanio rerio
	EC50 (waterflea)	17 mg/l		Daphnia magna
	IC50 (alga)	4,2 mg/l	OECD 201	Desmodesmus subspicatus
	NOEC (algae)	0,57 mg/l	OECD 201	Desmodesmus subspicatus
Alpha-methyl-1,3-benzodioxole-5-propionaldehyde	Ultimate aerobic biodegradation (%)	43 %	OECD 301 F	
	Log P(ow)	4,7		
	EC50 (waterflea)	8,3 mg/l	OECD 202	Daphnia magna
	LC50 (fish)	> 4,6 mg/l	OECD 203	Oncorhynchus mykiss
	IC50 (alga)	28 mg/l	OECD 201	Pseudokirchnerella subcapitata
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Log P(ow)	2,4		
	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
	Log P(ow)	4,288		
	LC50 (fish)	0,43 mg/l	OECD 203	Cyprinus carpio
[3R-(3 α ,3 β ,6 α ,7 β ,8 α)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	EC50 (waterflea)	0,48 mg/l	OECD 202	Daphnia magna
	IC50 (alga)	> 1,8 mg/l	OECD 201	Pseudokirchnerella subcapitata
	Ultimate aerobic biodegradation (%)	60 %	OECD 301 D	-----
(Z)-3-hexenyl salicylate	Ultimate aerobic biodegradation (%)	89 %	OECD 301 F	
	LC50 (fish) - estimate	1,13 mg/l		Brachydanio rerio
	EC50 (waterflea)	3,7 mg/l	OECD 202	Daphnia magna
	IC50 (alga)	0,61 mg/l	OECD 201	Desmodesmus subspicatus



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3-Methylcyclopentadecenone	Log P(ow)	4,57		
	LC50 (fish)	0,22 mg/l	-----	-----
(-)-Pin-2(10)-ene	Ultimate aerobic biodegradation (%)	43 %	OECD 301 D	
	EC50 (waterflea)	0,39 mg/l	-----	Daphnia magna
	IC50 (algae)	> 30 mg/l	-----	-----
	Log P(ow)	5,91		
	EC50 (waterflea) - estimate	> 0,1 mg/l		
	LC50 (fish) - estimate	> 0,1 mg/l		
	Log P(ow)	4,35		

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. : UN 3082

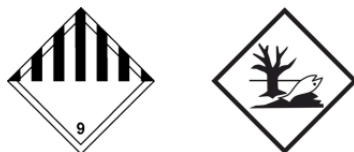
14.2. UN proper shipping name

- Transport name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl salicylate ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
- Transport name (IMDG, IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl salicylate ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)

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

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

- Class : 9
- Classification code : M6
- Packaging group : III
- Danger label : 9 + the "environmentally hazardous substance" mark.
- Tunnel restriction : (-)
- code



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



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

IATA (air)
Class : 9
ERG code : 9L

14.6. Special precautions for user

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

14.7. Maritime transport in bulk according to IMO instruments

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

SECTION 15 REGULATORY INFORMATION

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

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

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

16.1. Other information

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

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

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

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

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CLP : Classification, Labeling & Packaging
CMR : Carcinogenic, Mutagenic or toxic for Reproduction
EEC : European Economic Community
GHS : Globally Harmonized System of Classification and Labelling of Chemicals
IATA : International Air Transport Association
IBC code : International Bulk Chemical Code
IMDG : International Maritime Dangerous Goods Code



LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant
SU	: Sector of Use
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
UFI	: Unique formula identifier
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative

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

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

Skin 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. 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.
Repr. 2	: Reproductive toxicity, category 2.
STOT RE 2	: Specific target organ toxicity — repeated exposure, category 2.
Asp. Tox. 1	: Aspiration hazard, category 1.
Aquatic Chronic 1	: Hazardous to the aquatic environment — Chronic category 1.
Aquatic Chronic 2	: Hazardous to the aquatic environment — Chronic category 2.
Aquatic Chronic 3	: Hazardous to the aquatic environment — Chronic category 3.
Aquatic Acute 1	: Hazardous to the aquatic environment — Acute category 1.

Full text of H-phrases mentioned in section 3:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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



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Number format : "," used as decimal separator.

End of safety data sheet.