

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

1.1. Product identifier

Product name : LIMPRO PARFUM CARD COTTON FRESH
Product code : LIM-066, LP1V017
UFI : RF10-D0A8-G00J-X1D9

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 *

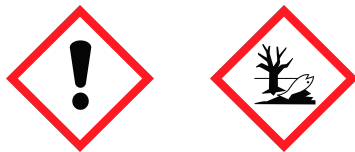
2.1. Classification of the substance or mixture

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



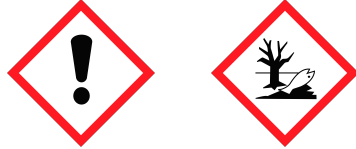
Signal word : Warning

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

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

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

Hazard pictograms :



Signal word : Warning

H- and P-phrases :

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

Additional labelling (for all packaging sizes)

: Contains: alpha-Hexylcinnamaldehyde ; 4-tert-Butylcyclohexyl acetate ; 3,7-Dimethylnona-1,6-dien-3-ol ; Linalool ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; Hexyl salicylate ; Benzyl salicylate ; Dodecanal ; Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde ; 3-Methylcyclopentadecenone .

2.3. Other hazards

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

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS *

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
2,6-Dimethyloct-7-en-2-ol	10 - < 25	18479-58-8	242-362-4		01-2119457274-37
alpha-Hexylcinnamaldehyde	10 - < 25	101-86-0	202-983-3		01-2119533092-50
3,5,5-Trimethylhexyl acetate	5 - < 10	58430-94-7	261-245-9		01-2119972325-34
4-tert-Butylcyclohexyl acetate	5 - < 10	32210-23-4	250-954-9		01-2119976286-24
3,7-Dimethylnona-1,6-dien-3-ol	5 - < 10	10339-55-6	233-732-6		01-2119969272-32
Linalool	5 - < 10	78-70-6	201-134-4		01-2119474016-42
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	5 - < 10	127-51-5	204-846-3		01-2120138569-45
Benzyl acetate	1 - < 5	140-11-4	205-399-7		01-2119638272-42
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		
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	1 - < 5	63500-71-0	405-040-6		01-2119455547-30
Hexyl salicylate	1 - < 5	6259-76-3	228-408-6		01-2119638275-36
2-Phenylethanol	1 - < 5	60-12-8	200-456-2		01-2119963921-31
Cis-2-tert-butylcyclohexyl acetate	1 - < 5	20298-69-5	243-718-1		
3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl propionate	1 - < 5	17511-60-3	241-514-7		01-2119969447-21
Benzyl salicylate	1 - < 5	118-58-1	204-262-9		01-2119969442-31
Dodecanal	0,1 - < 1	112-54-9	203-983-6		01-2119969441-33



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Allyl (cyclohexyloxy)acetate	0,1 - < 1	68901-15-5	272-657-3		01-2120770514-54
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
3-Methylcyclopentadecenone	0,1 - < 1	82356-51-2	429-900-5		01-0000017618-62
acetophenone	0,1 - < 1	98-86-2	202-708-7		

Substance name	Hazard Class	H-phrases	Pictograms	
2,6-Dimethyloct-7-en-2-ol	Skin Irrit. 2; Eye Irrit. 2	H315; H319	GHS07	
alpha-Hexylcinnamaldehyde	Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 2	H317; H400; H411	GHS07; GHS09	M (acute) = 1
3,5,5-Trimethylhexyl acetate	Skin Irrit. 2; Aquatic Chronic 2	H315; H411	GHS07; GHS09	
4-tert-Butylcyclohexyl acetate	Skin Sens. 1B	H317	GHS07	
3,7-Dimethylnona-1,6-dien-3-ol	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Linalool	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Aquatic Chronic 2	H411	GHS09	
Benzyl acetate	Aquatic Chronic 3	H412		
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 1	H315; H317; H410	GHS07; GHS09	M (chronic) = 1
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Eye Irrit. 2	H319	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
2-Phenylethanol	Acute Tox. 4; Eye Irrit. 2	H302; H319	GHS07	
Cis-2-tert-butylcyclohexyl acetate	Aquatic Chronic 2	H411	GHS09	
3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl propionate	Aquatic Chronic 2	H411	GHS09	
Benzyl salicylate	Eye Irrit. 2; Aquatic Chronic 3; Skin Sens. 1B	H319; H412; H317	GHS07	
Dodecanal	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2	H315; H317; H319	GHS07	
Allyl (cyclohexyloxy)acetate	Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 1	H302; H400; H410	GHS07; GHS09	M (acute) = 1 M (chronic) = 1
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	
3-Methylcyclopentadecenone	Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1	H317; H400; H410	GHS07; GHS09	M (acute) = 1 M (chronic) = 1
acetophenone	Acute Tox. 4; Eye Irrit. 2	H302; H319	GHS07	

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

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

SECTION 4 FIRST-AID MEASURES



4.1. Description of first aid measures

First aid measures

- Inhalation : Not applicable under normal conditions of use. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
- Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor.
- 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

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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.

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
acetophenone		5			MAC: BG, LV, LT

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
2,6-Dimethyloct-7-en-2-ol	Dermal				7 mg/kg bw/day
alpha-Hexylcinnamaldehyde	Inhalation	6,28 mg/m ³			24.7 mg/m ³
	Dermal	0,525 mg/kg bw		0,525 mg/kg bw/day	0,078 mg/m ³
3,5,5-Trimethylhexyl acetate	Inhalation				18,2 mg/kg bw/day
	Dermal				0,94 mg/m ³
3,7-Dimethylnona-1,6-dien-3-ol	Inhalation		18 mg/m ³		0,13 mg/kg bw/day
	Dermal	1,6 mg/kg bw	5,5 mg/kg bw	1,6 mg/kg bw/day	3 mg/m ³
Linalool	Inhalation				2,7 mg/kg bw/day
	Dermal	3 mg/kg bw		3 mg/kg bw/day	24.58 mg/m ³
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Inhalation				3.5 mg/kg bw/day
	Dermal				8.22 mg/m ³
	Dermal				0.375 mg/kg bw/day



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Benzyl acetate	Inhalation				9 mg/m3
	Dermal				2.5 mg/kg bw/day
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Inhalation				30 mg/m3
	Dermal			0.648 mg/kg bw/day	28.7 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
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
2-Phenylethanol	Inhalation				59,9 mg/m3
	Dermal				21,2 mg/kg bw/day
Benzyl salicylate	Inhalation				7,8 mg/m3
	Dermal				2,21 mg/kg bw/day
Dodecanal	Inhalation				49,7 mg/m3
	Dermal			0,00057 mg/kg bw/day	14,1 mg/kg bw/day
Allyl (cyclohexyloxy)acetate	Inhalation				3,16 mg/m3
	Dermal				0,448 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

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
alpha-Hexylcinnamaldehyde	Oral				2.5 mg/kg bw/day
	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
3,5,5-Trimethylhexyl acetate	Inhalation				0,23 mg/m3
	Dermal				0,07 mg/kg bw/day
	Oral				0,07 mg/kg bw/day
3,7-Dimethylnona-1,6-dien-3-ol	Inhalation		4,4 mg/m3		0,74 mg/m3
	Dermal	1,6 mg/kg bw	2,7 mg/kg bw	1,6 mg/kg bw/day	1,4 mg/kg bw/day
	Oral		1,3 mg/kg bw		0,2 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
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Inhalation				1.45 mg/m3
	Dermal				0.0446 mg/kg bw/day
	Oral				0.0355 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
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Inhalation				9 mg/m3



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Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Dermal			0.380 mg/kg bw/day	17.2 mg/kg bw/day
	Oral				3 mg/kg bw/day
	Inhalation				13 mg/m3
Hexyl salicylate	Dermal				25 mg/kg bw/day
	Oral				7,5 mg/kg bw/day
	Dermal	0.4425 mg/kg bw		0,4425 mg/kg bw/day	3,2 mg/kg bw/day
2-Phenylethanol	Inhalation				0,4 mg/m3
	Oral				0,3 mg/kg bw/day
	Inhalation				17,7 mg/m3
Benzyl salicylate	Dermal		5,1 mg/kg bw		12,7 mg/kg bw/day
	Oral				5,1 mg/kg bw/day
	Inhalation				1,37 mg/m3
Dodecanal	Dermal				0,79 mg/kg bw/day
	Oral				0,79 mg/kg bw/day
	Inhalation				12,3 mg/m3
Allyl (cyclohexyloxy)acetate	Dermal			0,00028 mg/kg bw/day	7 mg/kg bw/day
	Oral				7 mg/kg bw/day
	Inhalation				0,557 mg/m3
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Dermal				0,16 mg/kg bw/day
	Oral				0,16 mg/kg bw/day
	Inhalation				0,543 mg/m3
	Oral				0,312 mg/kg bw/day
	Dermal				0,312 mg/kg bw/day

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
alpha-Hexylcinnamaldehyde	Oral			111 mg/kg food
	Water	0.001 mg/l		
	Sediment	3.2 mg/kg	0.064 mg/kg	
	Intermittent water			0,03 mg/l
	STP			10 mg/l
3,5,5-Trimethylhexyl acetate	Soil			0.398 mg/kg
	Oral			6.6 mg/kg food
	Water	0,0077 mg/l	0,0007 mg/l	
	Sediment	2,89 mg/kg	0,29 mg/kg	
	Intermittent water			0,077 mg/l
4-tert-Butylcyclohexyl acetate	STP			10 mg/l
	Soil			0,573 mg/kg
	Oral			2,66 mg/kg food
	Water	0,0053 mg/l	0,00053 mg/l	
	Sediment	2,01 mg/kg	0,21 mg/kg	
3,7-Dimethylnona-1,6-dien-3-ol	Intermittent water			0,053 mg/l
	STP			12,2 mg/l
	Soil			0,42 mg/kg
	Oral			66,76 mg/kg food
	Water	0,023 mg/l	0,0023 mg/l	



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Linalool	Sediment	0,223 mg/kg	0,0223 mg/kg	
	Intermittent water			0,23 mg/l
	STP			10 mg/l
	Soil			0,031 mg/kg
	Oral			8,53 mg/kg food
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	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
Benzyl acetate	Oral			7,8 mg/kg food
	Water	0.00143 mg/l	0.000143 mg/l	
	Sediment	0.443 mg/kg	0.0443 mg/kg	
	STP			10 mg/l
	Soil			0.0878 mg/kg
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	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
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Water	0.0044 mg/l	0.00044 mg/l	
	Sediment	3.73 mg/kg	0.75 mg/kg	
	STP			10 mg/l
	Soil			2.7 mg/kg
	Oral			26.7 mg/kg food
Hexyl salicylate	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
	Soil			0,09 mg/kg
2-Phenylethanol	Water	0 mg/l	0 mg/l	
	Sediment	0,272 mg/kg	0,027 mg/kg	
	Intermittent water			0,0036 mg/l
	STP			10 mg/l
	Soil			0,054 mg/kg
Cis-2-tert-butylcyclohexyl acetate	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
Benzyl salicylate	Water	0,011 mg/l	0,0011 mg/l	
	Sediment	1,5 mg/kg	0,15 mg/kg	
	Intermittent water			0,017 mg/l
	STP			10 mg/l
	Soil			0,293 mg/kg
Dodecanal	Water	0.001 mg/l	0 mg/l	
	Sediment	0.583 mg/kg	0.058 mg/kg	
	Intermittent water			0,01030 mg/l
	STP			10 mg/l
	Soil			1.41 mg/kg
Dodecanal	Oral			52.7 mg/kg food
	Water	0,0035 mg/l	0,00035 mg/l	
	Sediment	1,41 mg/kg	0,141 mg/kg	
	Intermittent water			0,035 mg/l

Allyl (cyclohexyloxy)acetate	STP			10 mg/l
	Soil			0,278 mg/kg
	Oral			313 mg/kg food
	Water	0,00205 mg/l	0,000205 mg/l	
Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Sediment	0,0387 mg/kg	0,00387 mg/kg	
	STP			0,3 mg/l
	Soil			0,375 mg/kg
	Water	0.0075 mg/l	0.00075 mg/l	
3-Methylcyclopentadecenone	Sediment	0.226 mg/kg	0.023 mg/kg	
	STP			10 mg/l
	Soil			0.041 mg/kg
	Water	0.00242 mg/l	0.0022 mg/l	
acetophenone	Sediment	3.66 mg/kg	0.37 mg/kg	
	STP			10 mg/l
	Soil			2.34 mg/kg
	Oral			111.1 mg/kg food
	Water	0,0864 mg/l	0,00864 mg/l	
	Sediment	0,178 mg/kg	0,0178 mg/kg	
	Intermittent water			0,864 mg/l
	STP			10 mg/l
	Soil			0,155 mg/kg

8.2. Exposure controls

Engineering measures : Comply with standard precautionary measures for working with chemicals.
Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

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



- Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: 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	
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 230 °C	
Boiling point/boiling range	: > 100 °C	
Melting point/melting range	: Not known.	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,9 (Linalool) Upper explosion limit in air (%): 11,9 (2-Phenylethanol)
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: Not known.	
Relative vapour density	: > 1	(air = 1)
Relative density (20°C)	: Not known.	
Particle characteristics	: Not applicable.	Liquid.

9.2. Other information

Other information : Not relevant.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

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

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 69 %. ATE: > 5 mg/l. Not classified - based on available data, the classification criteria are not met.



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- 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: > 4552 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: > 3459 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 : Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
2,6-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
	alpha-Hexylcinnamaldehyde	NOAEL (development, oral)	100 mg/kg bw/d	OECD 421
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



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3,5,5-Trimethylhexyl acetate	Skin irritation	Moderately irritant	OECD 404	Rabbit
	NOAEL (dermal)	25 mg/kg bw/d		Rat
	Genotoxicity - in vitro	Not genotoxic	OECD 476	-----
	NOAEL (oral)	> 40 mg/kg bw/d	OECD 422	Rat
	LD50 (dermal)	> 5000 mg/kg bw	OECD 402	Rabbit
	LD50 (oral)	4250 mg/kg bw	OECD 401	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (fertility, oral)	40 mg/kg bw/d	OECD 422	Rat
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	Eye irritation	Slightly irritant	OECD 405	
4-tert-Butylcyclohexyl acetate	Skin irritation	Irritant	OECD 404	Rabbit
	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	
3,7-Dimethylnona-1,6-dien-3-ol	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	
Linalool	Skin irritation	Irritant	-----	Rabbit
	Eye irritation	Irritant	-----	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
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Skin irritation	Non-irritant	-----	Rabbit
	Skin sensitisation	6825 ug/cm2	OECD 429	Mouse
	LD50 (oral)	> 5000 mg/kg bw	-----	Rat
	LD50 (dermal)	> 5000 mg/kg bw	-----	Rat
	Mutagenicity	Not mutagenic	OECD 471	-----
	NOAEL (development, oral)	480 mg/kg bw/d	OECD 414	Rat
	LC50 (inhalation) - estimate	> 22360 mg/m3	Read across	
Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	NOAEL (developmental toxicity, dermal)	> 1000 mg/kg bw/d	-----	Rat
	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



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Hexyl salicylate	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	
	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	
2-Phenylethanol	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 (oral)	1609 mg/kg bw	-----	Rat	
	NOAEL (dermal)	510 mg/kg bw/d	OECD 411	Rat	
	Genotoxicity - in vitro	Not genotoxic	OECD 476		
	NOAEL (development, oral)	4,3 mg/kg bw/d		Rat	
	Eye irritation	Irritant	-----	Rabbit	
	Skin irritation	Slightly irritant	-----	Rabbit	
	LD50 (dermal)	2535 mg/kg bw	OECD 402	Rabbit	
	Skin sensitisation - estimate	Not sensitizing			
	LC50 (inhalation)	> 4630 mg/m3		Rat	
	NOAEL (developmental toxicity, dermal)	140 mg/kg bw/d		Rat	
Benzyl salicylate	Mutagenicity	Negative	OECD 471	Salmonella typhimurium	
	LC50 (inhalation) - estimate	> 5000 mg/m3		Rat	
	NOAEL (fertility, oral)	158 mg/kg bw/d	OECD 421	Rat	
	Skin sensitisation	725 ug/cm2	OECD 429	Mouse	
	NOAEL (oral)	177 mg/kg bw/d	OECD 408	Rat	
	Skin irritation	Non-irritant	OECD 404	Rabbit	
	NOAEL (development, oral)	158 mg/kg bw/d	OECD 421	Rat	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium	
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Chinese Hamster	
	Eye irritation	Moderately irritant	-----	Rabbit	
	LD50 (oral) - estimate	> 2000 mg/kg bw	Read across		
	LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across		
	Dodecanal	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	
Genotoxicity - estimate		Not genotoxic	Read across		
Skin irritation - estimate		Irritant	Read across	Rabbit	
Eye irritation - estimate		Irritant	Read across	Rabbit	



Reaction mass of 3,5-dimethylcyclohex-3-ene-1-carbaldehyde and 2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Skin sensitisation - estimate	Sensitizing.	Read across	Mouse	
	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	
	3-Methylcyclopentadecenone	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	
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		

11.2. Information on other hazards

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

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.
Ecotoxicity : Toxic to aquatic organisms. Calculated LC50 (fish): 3 mg/l. Calculated EC50 (waterflea): 4 mg/l.
Contains 0 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties



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Endocrine disrupting properties : Not applicable.

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	
	IC50 (algae)	> 0,32 mg/l	OECD 201	Desmodesmus subspicatus
3,5,5-Trimethylhexyl acetate	Log P(ow)	5,3		
	LC50 (fish)	7,7 mg/l		Pimephales promelas
	EC50 (waterflea)	> 5,4 mg/l	-----	Daphnia magna
	IC50 (algae)	1,3 mg/l	OECD 201	Pseudokirchnerella subcapitata
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Log P(ow)	4,6		
	LC50 (fish)	10,9 mg/l	OECD 203	Oncorhynchus mykiss
	Ultimate aerobic biodegradation (%)	61,8 %	OECD 301 B	
	EC50 (waterflea) - estimate	3,04 mg/l	-----	Daphnia magna
	EC50 (waterflea)	4,7 mg/l	OECD 202	Daphnia magna
	IC50 (algae)	> 20 mg/l	OECD 201	Desmodesmus subspicatus
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Log P(ow)	4,288		
	EC50 (waterflea)	1,38 mg/l	OECD 202	-----
	IC50 (algae)	> 2,6 mg/l	OECD 201	-----
	LC50 (fish)	1,3 mg/l	OECD 203	-----
Hexyl salicylate	Log P(ow)	5,23		
	BCF	600		
	EC50 (waterflea)	0,357 mg/l	OECD 202	Daphnia magna
	IC50 (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	
Cis-2-tert-butylcyclohexyl acetate	NOEC (waterflea) - acute	0,140 mg/l	OECD 202	Daphnia magna
	Log P(ow)	5,5000		
	LC50 (fish)	5,6 mg/l		Brachydanio rerio
	EC50 (waterflea)	17 mg/l		Daphnia magna
	IC50 (algae)	4,2 mg/l	OECD 201	Desmodesmus subspicatus
	NOEC (algae)	0,57 mg/l	OECD 201	Desmodesmus subspicatus
3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl propionate	Ultimate aerobic biodegradation (%)	43 %	OECD 301 F	
	Log P(ow)	4,7		
	LC50 (fish)	6,7 mg/l	OECD 203	Pimephales promelas



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Allyl (cyclohexyloxy)acetate	Ultimate aerobic biodegradation (%)	15 %	OECD 301 F	
	EC50 (waterflea)	> 14 mg/l	OECD 202	Daphnia magna
	IC50 (algae)	2,5 mg/l	OECD 201	Desmodesmus subspicatus
	Log P(ow)	3,5100		
3-Methylcyclopentadecenone	EC50 (waterflea)	11,3 mg/l	OECD 202	Daphnia magna
	NOEC (waterflea) - chronic	3,2 mg/l.d	OECD 202	Daphnia magna
	Ultimate aerobic biodegradation (%)	24 %	OECD 301 D	
	IC50 (algae)	69,2 mg/l	OECD 201	Pseudokirchnerella subcapitata
	LC50 (fish)	0,205 mg/l	OECD 203	Brachydanio rerio
	Log P(ow)	2,64		
	LC50 (fish)	0,22 mg/l	-----	-----
	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		

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)

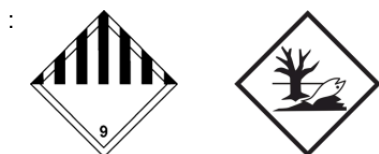
Transport name (IMDG, IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl salicylate ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphtyl)ethan-1-one)

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:

Acute Tox. 4	: Acute toxicity, category 4.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Irrit. 2	: Eye irritation, category 2.
Skin Sens. 1/1A/1B	: Skin sensitization, category 1/1A/1B.
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:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Advice on any training appropriate for workers: none.



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Number format : "," used as decimal separator.

End of safety data sheet.