

According to Regulation (EU) No 2015/830

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

1.1. Product identifier

Product name : LIMPRO PARFUM CARD VANILLE

Product code : LIM-059

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

Application : SU21 Consumer product. PC3 Air care products. 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

 Fax
 : +31-30-3100 141

 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)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

National Poisons Information Service +44 344 892 0111 (24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification : Eye irritation, category 2. Skin sensitization, category 1. Hazardous to the aquatic environment —

(1272/2008/EC) Chronic category 2.

Human health hazards : 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 (1272/2008/EC):

Hazard pictograms :





Signal word : Warning

H- and P-phrases : H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 hands Wear protective gloves and eye protection.

eyes

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P302+P352 IF ON SKIN: Wash with plenty of water/soap.

If skin irritation or rash occurs: Get medical advice/attention. P333+P313 Take off contaminated clothing and wash it before reuse. P362+P364

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. P362+P364 Take off contaminated clothing and wash it before reuse.

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

Additional labelling (for all packaging sizes)

: Contains: Benzyl salicylate ; alpha-Hexylcinnamaldehyde ; d-Limonene ; Coumarin ; p-

Mentha-1,4(8)-diene; Ethyl 2,3-epoxy-3-phenylbutyrate; (-)-Pin-2(10)-ene; Citral; Isoeugenol.

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

Substance name

Product description : Mixture. Information on hazardous substances:

Substance name	Concentration	CAS nr.	EC number	Remark	REACH nr.
	(w/w) (%)				
Benzyl salicylate	10 - < 20	118-58-1	204-262-9		01-2119969442-31
alpha-Hexylcinnamaldehyde	2,5 - < 5	101-86-0	202-983-3	İ	01-2119533092-50
2-Ethyl-3-hydroxy-4-pyrone	1 - < 5	4940-11-8	225-582-5		01-2120758795-36
Vanillin	1 - < 5	121-33-5	204-465-2		01-2119516040-60
d-Limonene	2,5 - < 5	5989-27-5	227-813-5		01-2119529223-47
Coumarin	0,1 - < 1	91-64-5	202-086-7		01-2119949300-45
Benzaldehyde	0,1 - < 1	100-52-7	202-860-4		01-2119455540-44
p-Mentha-1,4(8)-diene	0,25 - < 1	586-62-9	209-578-0		01-2119982325-32
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-	0,25 - < 1	21145-77-7	244-240-6		01-2119921100-61
hexamethyl-2-naphthyl)ethan-1-one					
Allyl heptanoate	0,1 - < 1	142-19-8	205-527-1		01-2119488961-23
Ethyl 2,3-epoxy-3-phenylbutyrate	0,1 - < 1	77-83-8	201-061-8		01-2119967770-28
(-)-Pin-2(10)-ene	0,25 - < 1	18172-67-3	242-060-2		01-2119519230-54
Citral	0,1 - < 1	5392-40-5	226-394-6		01-2119462829-23
Isoeugenol	0,001 - 0,01	97-54-1	202-590-7	İ	İ

H-phrases

Pictograms

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Benzyl salicylate		H317; H319; H412	GHS07; GHS09	
	2; Aquatic Chronic 3			
alpha-Hexylcinnamaldehyde	Skin Sens. 1B; Aquatic	H317; H400; H411	GHS07; GHS09	M (acute) = 1
	Acute 1; Aquatic			
	Chronic 2			
2-Ethyl-3-hydroxy-4-pyrone	Acute Tox. 4	H302	GHS07	
Vanillin	Eye Irrit. 2	H319	GHS07	
d-Limonene	Flam. Liq. 3; Asp. Tox.	H226; H304; H315;	GHS02; GHS07;	M (acute) = 1
	1; Skin Irrit. 2; Skin	H317; H400; H410	GHS08; GHS09	
	Sens. 1B; Aquatic			
	Acute 1; Aquatic			
	Chronic 1			
Coumarin	Acute Tox. 4; Skin	H302; H317; H412	GHS07	
	Sens. 1B; Aquatic			
	Chronic 3			
Benzaldehyde	Acute Tox. 4; Skin Irrit.	H302; H315; H319;	GHS07	
	2; Eye Irrit. 2; Acute	H332; H335; H412		
	Tox. 4; STOT SE 3;			
	Aquatic Chronic 3			
p-Mentha-1,4(8)-diene	Asp. Tox. 1; Skin Sens.	H304; H317; H400;	GHS07; GHS08;	M (acute) = 1
	1B; Aquatic Acute 1;	H410	GHS09	
	Aquatic Chronic 1			
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-	Acute Tox. 4; Aquatic	H302; H400; H410	GHS07; GHS09	M (acute) = 1
hexamethyl-2-naphthyl)ethan-1-one	Acute 1; Aquatic		·	
	Chronic 1			
Allyl heptanoate	Acute Tox. 3; Aquatic	H301; H311; H400;	GHS06; GHS09	M (acute) = 1
	Acute 1; Aquatic	H412	·	
	Chronic 3			
Ethyl 2,3-epoxy-3-phenylbutyrate	Skin Sens. 1B; Aquatic	H317; H411	GHS07; GHS09	
	Chronic 2			
(-)-Pin-2(10)-ene	Flam. Liq. 3; Asp. Tox.	H226; H304; H315;	GHS02; GHS07;	M (acute) = 1
	1; Skin Irrit. 2; Skin	H317; H400; H410	GHS08; GHS09	M (chronic) = 1
	Sens. 1B; Aquatic			
	Acute 1; Aquatic			
	Chronic 1			
Citral	Skin Irrit. 2; Skin Sens.	H315; H317; H319	GHS07	
	1B; Eye Irrit. 2			
Isoeugenol	Acute Tox. 4; Eye Irrit.	H312; H302; H332;	GHS07	H317 : C >= 0.01 %
	2; Skin Irrit. 2; Skin	H319; H315; H317;		
	Sens. 1A; STOT SE 3	H335		

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.

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

Effects and symptoms

Inhalation : No specific effects and/or symptoms are known.

Skin contact : May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry

skin.

Eye contact : Irritant. May cause redness and pain.

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

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

Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.

Not suitable : Water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : None known.

Hazardous thermal : Carbon monoxide may be evolved if incomplete combustion occurs.

decomposition products

5.3. Advice for firefighters

Special protective : Use adequate respiratory equipment in case of insufficient ventilation.

equipment for fire-fighters

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

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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 (< 35 °C). Keep away from oxidizing agents.

Recommended packaging : Keep only in the original container.

Non recommended

packaging

: None known.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure

limits

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

not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	7	TWA 8 hour (ma/m3)	STEL 15 min (mg/m3)	Comments	Source
d-Limonene		(3 - /	80		MAC: DE, CH
Benzaldehyde		5			MAC: HU, BE, LT

Derived no-effect level (DNEL) for workers:

Chemical name	Route of	DNEL, short-te	erm	DNEL, long-term	
	exposure				
	•	Local effect	Systemic effect	Local effect	Systemic effect
Benzyl salicylate	Dermal				0,9 mg/kg bw/day
	Inhalation	Ĭ			3,17 mg/m3
alpha-Hexylcinnamaldehyde	Dermal	0,525 mg/kg		0,525 mg/kg bw/	18,2 mg/kg bw/day
		bw		day	
	Inhalation	6,28 mg/m3			0,078 mg/m3
2-Ethyl-3-hydroxy-4-pyrone	Dermal				16,7 mg/kg bw/day
	Inhalation				58,7 mg/m3
d-Limonene	Inhalation				33,3 mg/m3
Coumarin	Dermal				0,79 mg/kg bw/day
	Inhalation				6,78 mg/m3
Benzaldehyde	Dermal			4,5 mg/kg bw/	34,7 mg/kg bw/day
				day	
	Inhalation			6,3 mg/m3	10,4 mg/m3
p-Mentha-1,4(8)-diene	Dermal				0,52 mg/kg bw/day
	Inhalation				3,6 mg/m3
Allyl heptanoate	Dermal				4,7 mg/kg bw/day
	Inhalation				16 mg/m3
Ethyl 2,3-epoxy-3-phenylbutyrate	Dermal				0,7 mg/kg bw/day
	Inhalation				2,45 mg/m3
(-)-Pin-2(10)-ene	Dermal				0,8 mg/kg bw/day
	Inhalation				5,69 mg/m3
Citral	Dermal				1,7 mg/kg bw/day
	Inhalation				9 mg/m3

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Derived no-effect level (DNEL) for consumers:

Chemical name	Route of	DNEL, short-te	rm	DNEL, long-term	
	exposure				
	,,	Local effect	Systemic effect	Local effect	Systemic effect
Benzyl salicylate	Dermal				0,45 mg/kg bw/day
	Inhalation	Ĭ			0,78 mg/m3
	Oral				0,45 mg/kg bw/day
alpha-Hexylcinnamaldehyde	Dermal	0,0787 mg/kg		0,0787 mg/kg	9,11 mg/kg bw/day
		bw		bw/day	
	Inhalation	4,71 mg/m3			0,019 mg/m3
	Oral				0,056 mg/kg bw/day
2-Ethyl-3-hydroxy-4-pyrone	Dermal				10 mg/kg bw/day
	Inhalation				17,4 mg/m3
	Oral				10 mg/kg bw/day
d-Limonene	Inhalation				8,33 mg/m3
	Oral				4,76 mg/kg bw/day
Coumarin	Dermal				0,39 mg/kg bw/day
	Inhalation				1,69 mg/m3
	Oral				0,39 mg/kg bw/day
Benzaldehyde	Dermal			2,7 mg/kg bw/	20,8 mg/kg bw/day
7				day	
	Inhalation			1,3 mg/m3	2,1 mg/m3
	Oral			, ,	25 mg/kg bw/day
p-Mentha-1,4(8)-diene	Dermal				0,26 mg/kg bw/day
, (-,	Inhalation				0,9 mg/m3
	Oral				0,26 mg/kg bw/day
Allyl heptanoate	Dermal				2,3 mg/kg bw/day
,	Inhalation				4,1 mg/m3
	Oral				2,3 mg/kg bw/day
Ethyl 2,3-epoxy-3-phenylbutyrate	Dermal				0,35 mg/kg bw/day
, , , , , , , , , , , , , , , , , , ,	Inhalation				0,61 mg/m3
	Oral				0,35 mg/kg bw/day
(-)-Pin-2(10)-ene	Dermal				0,3 mg/kg bw/day
	Inhalation				1 mg/m3
	Oral				0,3 mg/kg bw/day
Citral	Dermal				1 mg/kg bw/day
	Inhalation				2,7 mg/m3
	Oral				0,6 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Benzyl salicylate	Water	0,00103 mg/l	0,00010 mg/l	
	Sediment	0,583 mg/kg	0,0583 mg/kg	
	Intermittent water			0,01030 mg/l
	STP			10 mg/l
	Soil			0,116 mg/kg
	Oral			80 mg/kg food
alpha-Hexylcinnamaldehyde	Water	0,03 mg/l	0,003 mg/l	
	Sediment	47,7 mg/kg	4,77 mg/kg	
	Intermittent water			0,03 mg/l
	STP			10 mg/l
	Soil			9,51 mg/kg
	Oral			6,6 mg/kg food
2-Ethyl-3-hydroxy-4-pyrone	Water	0,0072 mg/l	0,00072 mg/l	
	Sediment	0,27 mg/kg	0,027 mg/kg	
	STP			1,55 mg/l

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	Soil	1		0,049 mg/kg
Vanillin	Water	0,118 mg/l	0,0118 mg/l	
	Sediment	58,22 mg/kg	5,822 mg/kg	
	STP			10 mg/l
	Soil			11,54 mg/kg
d-Limonene	Water	0,0054 mg/l	0,0005 mg/l	
	Sediment	1,32 mg/kg	0,13 mg/kg	
	STP			1,8 mg/l
	Soil			0,262 mg/kg
	Oral			3,33 mg/kg food
Coumarin	Water	0,019 mg/l	0,0019 mg/l	
	Sediment	0,15 mg/kg	0,015 mg/kg	
	Intermittent water			0,0142 mg/l
	STP			6,4 mg/l
	Soil			0,018 mg/kg
	Oral			30,7 mg/kg food
Benzaldehyde	Water	0,00107 mg/l	0,00010 mg/l	
,	Sediment	0,01044 mg/kg	0,00104 mg/kg	
	Intermittent water			0,0107 mg/l
	STP			7,59 mg/l
	Soil			0,00593 mg/kg
p-Mentha-1,4(8)-diene	Water	0,0006 mg/l	0,00006 mg/l	
, , ,	Sediment	0,147 mg/kg	0,0147 mg/kg	
	STP			0,2 mg/l
	Soil			0,021 mg/kg
	Oral			10,31 mg/kg food
Allyl heptanoate	Water	0,00012 mg/l	0,000012 mg/l	
	Sediment	0,012 mg/kg	0,0012 mg/kg	
	Intermittent water			0,0012 mg/l
	STP			10 mg/l
	Soil			0,00233 mg/kg
	Oral			51,78 mg/kg food
Ethyl 2,3-epoxy-3-phenylbutyrate	Water	0,0084 mg/l	0,0084 mg/l	
	Sediment	0,214 mg/kg	0,0214 mg/kg	
	Intermittent water			0,084 mg/l
	STP			10 mg/l
	Soil			0,0378 mg/kg
	Oral			23,3 mg/kg food
(-)-Pin-2(10)-ene	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
	Oral			13,1 mg/kg food
Citral	Water	0,00678 mg/l	0,000678 mg/l	
	Sediment	0,125 mg/kg	0,0125 mg/kg	
	Intermittent water			0,0678 mg/l
	STP			1,6 mg/l
	Soil			0,0209 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.

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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

Not measured. Not relevant for mixtures.

The product contains < 10% substances having an aspiration hazard.

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.

Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is Eye protection

danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

: Liquid. Impregnated material. **Appearance**

Colour Light yellow. Odour Perfumed. Odour threshold : Not known.

рΗ : Not applicable. Waterfree product.

: Not soluble. Solubility in water

Partition coefficient (n-: Not applicable.

octanol/water)

Flash point : > 100 °C

Flammability (solid, gas) : Not applicable. Liquid. See flashpoint.

: > 190 °C Auto ignition temperature Boiling point/boiling range : > 100 °C Melting point/melting range : < 0 °C

Explosive properties : None known. Does not contain explosives.

Explosion limits (% in air) Not known. Lower explosion limit in air (%): 0,7 (d-Limonene) Upper explosion limit in air (%): 6,5 (d-Limonene)

Not applicable. Does not contain oxidizing substances.

(air = 1)

Oxidising properties Decomposition temperature: Not known.

Viscosity (20°C) Not known.

Viscosity (40°C) : Not relevant. : Not known.

Vapour pressure (20°C)

Vapour density (20°C) : > 1

Relative density (20°C) : 1 g/ml

Evaporation rate (n-butyl acetate = 1) : < 1

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

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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 : Not known.

products

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 69 %. ATE: > 5 mg/l. Not classified -

based on available data, the classification criteria are not met.

Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.

Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available

data, the classification criteria are not met.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria

are not met.

Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria

are not met.

Skin contact

Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw.

Low toxicity. Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation : Not classified - based on available data, the classification criteria are not met. Sensitisation : May cause sensitisation by skin contact. May produce an allergic reaction.

Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria

are not met.

Eye contact

Corrosion/irritation : Irritant.

Ingestion

Acute toxicity

: Calculated LD50: > 3937 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw.

Low toxicity. Not classified - based on available data, the classification criteria are not met.

Aspiration : Contains a substance/substances with an aspiration hazard. Not classified - based on available

data, the classification criteria are not met.

Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria

are not met.

Mutagenicity : Not expected to be mutagenic. 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.

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Toxicological information:

Chemical name	Property		Method	Test animal
Benzyl salicylate	LD50 (oral)	2227 mg/kg bw		Rat
, ,	Skin sensitisation	725 ug/cm2	OECD 429	Mouse
	Skin irritation	Non-irritant		Rabbit
	NOAEL (oral) -	> 360 mg/kg bw/d	Read across	Rat
	estimate			
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (fertility) -	180 mg/kg.d	Read across	Rat
	estimate			
	NOAEL (development)	> 360 mg/kg.d	Read across	Rat
	- estimate			
	Eye irritation	Moderately irritant		Rabbit
alpha-Hexylcinnamaldehyde	NOAEL (development,	100 mg/kg bw/d	OECD 421	Rat
	oral)			
	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) -	30 mg/kg bw/d	Read across	Rat
	estimate			
	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
	Skin irritation	Moderately irritant	OECD 404	Rabbit
	NOAEL (dermal)	25 mg/kg bw/d		Rat
Vanillin	LD50 (oral)	> 3500 mg/kg bw		Rat
	LD50 (dermal)	> 5010 mg/kg bw		Rabbit
	Skin sensitisation	Sensitizing.		Guinea pig
	Skin irritation	Non-irritant		Rabbit
	Eye irritation	Slightly irritant		Rabbit
	NOEL (carcinogenicity,	Not carcinogenic		Rat
	oral)			
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOEL (oral)	2500 mg/kg bw/d		Rat
	NOAEL (development,	> 500 mg/kg bw/d		Rat
	oral)			
	Genotoxicity - in vitro	Not genotoxic	OECD 473	
	NOAEL (oral)	> 650 mg/kg bw/d	OECD 408	Rat
d-Limonene	NOAEL (oral)	150 mg/kg bw/d		Rat
	Genotoxicity - in vitro	Not genotoxic		
	LD50 (oral)	4400 mg/kg bw		Rat
	LD50 (dermal)	> 2000 mg/kg bw		Rabbit
	Skin irritation	Irritant		
	NOAEL (development,	600 mg/kg bw/d		Rat
	oral)			
	Skin sensitisation	10075 ug/cm2	OECD 429	Mouse
	Mutagenicity	Negative	OECD 471	
	Eye irritation	Non-irritant	OECD 405	Rabbit
	NOEL (carcinogenicity,	> 300 mg/kg bw/d	OECD 451	Rat
	oral)			
	Genotoxicity - in vivo	> 2000 mg/kg bw/d		Rat
Coumarin	Skin sensitisation	> 12500 ug/cm2	OECD 429	Mouse
	NOAEL (development,	> 115 mg/kg bw/d		Mouse
	oral)			

Product name : Limpro Parfum Card Vanille Page 10/16
Date of issue : 01-07-2019 Replaces issue dated : --- INFO CARE SDS



According to Regulation (EU) No 2015/830

LD50 (oral) 680 mg/kg bw		IT. va immitation	Non instant	1	Dahhit
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Skin irritation Irritant OECD 406 Guinea pig NOAEL (developmental 423 mg/m3 Rat toxicity, inh.) NOEL (carcinogenicity, oral) Mutagenicity Negative OECD 471		1 -		0200 400	
Skin sensitisation Sensitizing. OECD 406 Guinea pig NOAEL (developmental 423 mg/m3 Rat toxicity, inh.) NOEL (carcinogenicity, oral) Mutagenicity Negative OECD 471			-		
NOAEL (developmental 423 mg/m3 Rat toxicity, inh.) NOEL (carcinogenicity, > 100 mg/kg bw/d OECD 453 Rat oral) Mutagenicity Negative OECD 471				OECD 406	
toxicity, inh.) NOEL (carcinogenicity, oral) Mutagenicity Negative OECD 453 Rat OECD 471				0200400	
NOEL (carcinogenicity, > 100 mg/kg bw/d OECD 453 Rat oral) Mutagenicity Negative OECD 471		, ,	mes my/ms		nat .
oral) Mutagenicity Negative OECD 471			100 ma/les beeds	OECD 453	Det
Mutagenicity Negative OECD 471		, , ,	P 100 mg/kg bw/d	UEUD 453	ral
		1 '	N C	0505 (5)	
				OECD 4/1	D. (
		LD50 (oral)	4960 mg/kg bw	 	Rat
Genotoxicity - in vitro Not genotoxic	I	Genotoxicity - in vitro	INOT genotoxic	1	1

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	NOAEL (oral)	833 mg/kg bw/d		Rat
	LD50 (dermal)	2250 mg/kg bw		Rabbit
	NOAEL (development,	200 mg/kg bw/d	OECD 421	Rat
	oral)			
Isoeugenol	LD50 (dermal) -	1912 mg/kg bw		
	estimate			
	LC50 (inhalation) -	1500 mg/m3		
	estimate			
	LD50 (oral)	1560 mg/kg bw		Rat
	Mutagenicity	Negative		Salmonella typhimurium
	NOEL (carcinogenicity,	Not carcinogenic		Rat
	oral)			
	Skin irritation	Severely irritant		Rabbit
	Skin irritation	Moderately irritant		Human
	Skin sensitisation	498 ug/cm2	OECD 429	Mouse

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 ass

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

12.6. Other adverse effects

Other information : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
alpha-Hexylcinnamaldehyde	LC50 (fish)	1,7 mg/l	OECD 203	Pimephales promelas
	IC50 (algea)	> 0,32 mg/l	OECD 201	Desmodesmus
				subspicatus
	Ultimate aerobic	97 %	OECD 301 F	
	biodegradation (%)			
	NOEC (fish)	0,93 mg/l	OECD 203	Pimephales promelas
	Log P(ow)	5,3		
d-Limonene	LC50 (fish)	0,720 mg/l	OECD 203	Pimephales promelas
	EC50 (waterflea)	0,36 mg/l	OECD 202	Daphnia magna
İ	Ultimate aerobic	> 92 %		İ
	biodegradation (%)			
	NOEC (waterflea) -	0,15 mg/l.d		Daphnia magna
	chronic			

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p-Mentha-1,4(8)-diene	Log P(ow) LC50 (fish) EC50 (waterflea)	4,38 1,21 mg/l 1,38 mg/l		Pimephales promelas Daphnia magna
	Ultimate aerobic biodegradation (%)	62,1 %	OECD 301 B	
	Log P(ow)	5,1000		
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	LC50 (fish)	0,314 mg/l		
	EC50 (waterflea)	0,244 mg/l		Daphnia magna
	IC50 (algea)	0,8 mg/l		
	Log P(ow)	5,7000		
(-)-Pin-2(10)-ene	LC50 (fish) - estimate	> 0,1 mg/l		
	EC50 (waterflea) -	> 0,1 mg/l		
	estimate			
	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 into the environment, in drains or in water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a

waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Local regulations may be more stringent than regional or national requirements and must be

complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number

UN nr. : UN 3082

14.2. UN proper shipping name

Transport name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene ; alpha-

Hexylcinnamaldehyde)

Transport name (IMDG, : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene; alpha-

IATA) Hexylcinnamaldehyde)

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

Class

Classification code : M6 Packaging group : III

Danger label : 9 + the "environmentally hazardous substance" mark.

Tunnel restriction : C/D

code

:



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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

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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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 2015/830 (REACH), Regulation (EC) No 1272/2008 (CLP) and other

regulations.

15.2. Chemical safety assessment

Chemical safety

: Not applicable.

assessment

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2015/830 dated 28 May 2015 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

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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

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:

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. 3 : Acute toxicity, category 3.

Acute Tox. 4 : Acute toxicity, category 4.

Skin Irrit. 2 : Skin irritation, category 2.

Eye Irrit. 2 : Eye irritation, category 2.

Skin Sens. 1/1A/1B : Skin sensitization, category 1/1A/1B. Asp. Tox. 1 : Aspiration hazard, category 1.

Aquatic Chronic 1 : Hazardous to the aquatic environment — Chronic category 1.

Aquatic Chronic 2 : Hazardous to the aquatic environment — Chronic category 2.

Aquatic Chronic 3 : Hazardous to the aquatic environment — Chronic category 3.

Aquatic Acute 1 : Hazardous to the aquatic environment — Acute category 1.

Full text of H-phrases mentioned in section 3:

H226 Flammable liquid and vapour.

H301 Toxic if swallowed. H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.
H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H332 Harmful if inhaled. 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.

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