

AFFECTION - PARFUMSPLUS DIRECT



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SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

1.1. Product identifier

Product Name : AFFECTION - PARFUMSPLUS DIRECT

Product Code : 82594

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

Concentrated perfume composition free from alcohol.

For industrial and professional use only.

Use: Perfumes, cosmetics and detergents.

1.3. Details of the supplier of the safety data sheet

Registered company name : PARFUMS PLUS FRANCE

Address : Parc d'activité de la Sarée - Route de Gourdon 06620 Le Bar-sur-Loup FRANCE

Telephone : 04 93 36 51 94 Fax : 04 93 36 61 93

info@parfumsplus.com

http://www.parfumsplus.com

mailto: legislation@parfumsplus.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07



GHS09

Signal Word :

WARNING

Product identifiers :

EC 202-983-3	ALPHA-HEXYLCINNAMALDEHYDE
EC 242-016-2	P-TERT-BUTYLDIHYDROCINNAMALDEHYDE
EC 260-555-1	CARYOPHYLLENE ACETATE
EC 203-161-7	2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE
EC 203-375-0	DL-CITRONELLOL
EC 201-036-1	CEDRYL ACETATE
EC 943-728-2	2,4-DIMETHYL-3-CYCLOHEXEN-1-CARBOXALDEHYDE
EC 947-049-2	YLANG YLANG OIL III
EC 204-872-5	BETA-PINENE

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603-241-00-5	GERANIOL
EC 203-909-2	METHYL 2-NONYNOATE
606-155-00-6	CINNAMALDEHYDE
EC 202-590-7	ISOEUGENOL

Hazard statements :

H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary statements - Disposal :

P501	Dispose of the contents/container in a hazardous or special waste collection centre in accordance with local, regional, national and/or international regulations.
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2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 59 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
INDEX: I101_86_0 CAS: 101-86-0 EC: 202-983-3 REACH: 01-2119533092-50-XXXX ALPHA-HEXYLCINNAMALDEHYDE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		14 \leq x% < 17
INDEX: I140_11_4 CAS: 140-11-4 EC: 205-399-7 REACH: 01-2119638272-42-XXXX BENZYL ACETATE	Wng Aquatic Chronic 3, H412		8 \leq x% < 11
INDEX: I8000_41_7 CAS: 8000-41-7 EC: 232-268-1 REACH: 01-2119553062-49-XXXX TERPINEOL	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319		2.5 \leq x% < 5
INDEX: I103_05_9 CAS: 103-05-9 EC: 203-074-4 REACH: 01-2120758978-28-XXXX 2-METHYL-4-PHENYL-2-BUTANOL	GHS07 Wng Eye Irrit. 2, H319 Aquatic Chronic 3, H412		2.5 \leq x% < 5
INDEX: 18127_01_0A CAS: 18127-01-0 EC: 242-016-2	GHS07, GHS08 Wng Skin Irrit. 2, H315		2.5 \leq x% < 5

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REACH: 01-2119983533-30-XXXX P-TERT-BUTYLDIHYDROCINNAMALDEHYDE	Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Chronic 3, H412		
INDEX: I57082_24_3 CAS: 57082-24-3 EC: 260-555-1 REACH: 01-2120761120-70-0000 CARYOPHYLLENE ACETATE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		1 <= x % < 2.5
INDEX: I103_95_7 CAS: 103-95-7 EC: 203-161-7 REACH: 01-2119970582-32-XXXX 2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412		1 <= x % < 2.5
INDEX: I106_22_9 CAS: 106-22-9 EC: 203-375-0 REACH: 01-2119453995-23-XXXX DL-CITRONELLOL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		0.1 <= x % < 1
INDEX: I77_54_3 CAS: 77-54-3 EC: 201-036-1 REACH: 01-2120739845-42-XXXX CEDRYL ACETATE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.1 <= x % < 1
INDEX: 68039_49_6 EC: 943-728-2 REACH: 01-2119982384-28-XXXX 2,4-DIMETHYL-3-CYCLOHEXEN-1-CARBOXALDEHYDE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411		0.1 <= x % < 1
INDEX: 8006_81_3A CAS: 8006-81-3 EC: 947-049-2 REACH: 01-2120759519-39-XXXX YLANG YLANG OIL III	GHS07, GHS09, GHS08 Dgr Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411		0.1 <= x % < 1
INDEX: I84_66_2 CAS: 84-66-2 EC: 201-550-6 REACH: 01-2119486682-27-XXXX DIETHYL PHTHALATE		[1]	0.1 <= x % < 1
INDEX: I127_91_3 CAS: 127-91-3 EC: 204-872-5 REACH: 01-2119519230-54-XXXX BETA-PINENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.1 <= x % < 1
INDEX: I120_72_9 CAS: 120-72-9 EC: 204-420-7	GHS05, GHS06 Dgr Acute Tox. 4, H302		0.1 <= x % < 1

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REACH: 01-2120745892-45-XXXX INDOLE	Acute Tox. 3, H311 Eye Dam. 1, H318		
INDEX: 603-241-00-5 CAS: 106-24-1 EC: 203-377-1 GERANIOL	GHS07 Wng Skin Sens. 1, H317		0.1 <= x % < 1
INDEX: I111_80_8 CAS: 111-80-8 EC: 203-909-2 REACH: 01-2120139912-55-000X METHYL 2-NONYNOATE	GHS07, GHS09 Wng Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1		0 < x % < 0.05
INDEX: 606-155-00-6 CAS: 104-55-2 EC: 203-213-9 REACH: 01-2119935242-45-XXXX CINNAMALDEHYDE	GHS07 Wng Skin Sens. 1A, H317		0 < x % < 0.01
INDEX: I97_54_1 CAS: 97-54-1 EC: 202-590-7 REACH: 01-2120223682-61-XXXX ISOEUGENOL	GHS07 Wng Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335		0 < x % < 0.01
INDEX: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX ETHANOL	GHS02 Dgr Flam. Liq. 2, H225	[i]	0 < x % < 0.01
INDEX: I128_37_0 CAS: 128-37-0 EC: 204-881-4 REACH: 01-2119565113-46-XXX BUTYLATED HYDROXYTOLUENE	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[i]	0 < x % < 0.003
INDEX: I601_026_000 CAS: 100-42-5 EC: 202-851-5 REACH: 01-2119457861-32-XXXX STYRENE	GHS02, GHS07, GHS08 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Repr. 2, H361 STOT RE 1, H372 Aquatic Chronic 3, H412	[i] [ii]	0 < x % < 0.0015
INDEX: I603_002_005 CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX ETHYL ALCOHOL	GHS02, GHS07 Dgr Eye Irrit. 2, H319 Flam. Liq. 2, H225	[i]	0 < x % < 0.0005
INDEX: I603_006_007 CAS: 123-51-3 EC: 204-633-5	GHS02, GHS05, GHS07 Dgr Flam. Liq. 3, H226	[i]	0 < x % < 0.0005

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ISOAMYL ALCOHOL	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 EUH066		
INDEX: 604-001-00-2 CAS: 108-95-2 EC: 203-632-7 PHENOL	GHS06, GHS08, GHS05 Dgr Muta. 2, H341 Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT RE 2, H373 Skin Corr. 1B, H314	[i] [ii]	0 < x % < 0.0005
INDEX: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9 REACH: 01-2119471310-51-XXXX TOLUENE	GHS02, GHS08, GHS07 Dgr Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336	[i] [ii]	0 < x % < 0.0005
INDEX: I76_22_2 CAS: 76-22-2 EC: 200-945-0 REACH: 01-2119966156-31-XXXX 1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE	GHS02, GHS05, GHS07, GHS08, GHS09 Dgr 228 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 2, H371 Aquatic Chronic 2, H411	[i]	0 < x % < 0.0005
INDEX: 607-317-00-9 CAS: 117-81-7 EC: 204-211-0 BIS(2-ETHYLHEXYL) PHTHALATE	GHS08 Dgr Repr. 1B, H360FD	[i] [ii] [vi]	0 < x % < 0.0005

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: I101_86_0 CAS: 101-86-0 EC: 202-983-3 REACH: 01-2119533092-50-XXXX ALPHA-HEXYLCINNAMALDEHYDE		oral: ATE = 3100 mg/kg BW
INDEX: I140_11_4 CAS: 140-11-4 EC: 205-399-7 REACH: 01-2119638272-42-XXXX BENZYL ACETATE		oral: ATE = 2490 mg/kg BW
INDEX: I8000_41_7 CAS: 8000-41-7 EC: 232-268-1 REACH: 01-2119553062-49-XXXX TERPINEOL		oral: ATE = 4300 mg/kg BW
INDEX: I103_05_9 CAS: 103-05-9 EC: 203-074-4 REACH: 01-2120758978-28-XXXX 2-METHYL-4-PHENYL-2-BUTANOL		dermal: ATE = 3260 mg/kg BW
INDEX: 18127_01_0A		oral: ATE = 2500 mg/kg BW

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CAS: 18127-01-0 EC: 242-016-2 REACH: 01-2119983533-30-XXXX P-TERT-BUTYLDIHYDROCINNAMALDEHYDE		
INDEX: I103_95_7 CAS: 103-95-7 EC: 203-161-7 REACH: 01-2119970582-32-XXXX 2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE		oral: ATE = 3810 mg/kg BW
INDEX: I106_22_9 CAS: 106-22-9 EC: 203-375-0 REACH: 01-2119453995-23-XXXX DL-CITRONELLOL		dermal: ATE = 2650 mg/kg BW oral: ATE = 3450 mg/kg BW
INDEX: 68039_49_6 EC: 943-728-2 REACH: 01-2119982384-28-XXXX 2,4-DIMETHYL-3-CYCLOHEXEN-1-CARBOXALDEHYDE		oral: ATE = 3900 mg/kg BW
INDEX: I120_72_9 CAS: 120-72-9 EC: 204-420-7 REACH: 01-2120745892-45-XXXX INDOLE		dermal: ATE = 790 mg/kg BW oral: ATE = 1000 mg/kg BW
INDEX: I111_80_8 CAS: 111-80-8 EC: 203-909-2 REACH: 01-2120139912-55-000X METHYL 2-NONYNOATE		dermal: ATE = 4500 mg/kg BW oral: ATE = 1600 mg/kg BW
INDEX: 606-155-00-6 CAS: 104-55-2 EC: 203-213-9 REACH: 01-2119935242-45-XXXX CINNAMALDEHYDE	Skin Sens. 1A: H317 C>= 0.01%	
INDEX: I97_54_1 CAS: 97-54-1 EC: 202-590-7 REACH: 01-2120223682-61-XXXX ISOEUGENOL	Skin Sens. 1A: H317 C>= 0.01%	dermal: ATE = 1912 mg/kg BW oral: ATE = 1500 mg/kg BW
INDEX: I603_006_007 CAS: 123-51-3 EC: 204-633-5 ISOAMYL ALCOHOL		dermal: ATE = 3216 mg/kg BW oral: ATE = 4000 mg/kg BW
INDEX: 604-001-00-2 CAS: 108-95-2 EC: 203-632-7 PHENOL	Skin Corr. 1B: H314 C>= 3% Skin Irrit. 2: H315 1% <= C < 3%	
INDEX: I76_22_2 CAS: 76-22-2 EC: 200-945-0 REACH: 01-2119966156-31-XXXX 1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE		oral: ATE = 1500 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[i] Substance for which maximum workplace exposure limits are available.

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[ii] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

[vi] Substances of very high concern (SVHC).

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

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7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- European Union :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
123-51-3	18	5	37	10	
108-95-2	8	2	16	4	Peau
108-88-3	192	50	384	100	Peau

- UK :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
84-66-2	5 mg/m3	10 mg/m3			
64-17-5	1000 ppm 1920 mg/m3				
128-37-0	10 mg/m3				
100-42-5	100 ppm 430 mg/m3	250 ppm 1080 mg/m3			
64-17-5	1000 ppm 1920 mg/m3				
123-51-3	100 ppm 366 mg/m3	125 ppm 458 mg/m3			
108-95-2	2 ppm 7.8 mg/ m3	4 ppm 16 mg/ m3		Sk	
108-88-3	50 ppm 191 mg/m3	100 ppm 384 mg/m3		Sk	
76-22-2	2 ppm 13 mg/ m3	3 ppm 19 mg/ m3			
117-81-7	5 mg/m3	10 mg/m3			

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



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Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard ISO 16321.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Fluid liquid.

Colour

Color: YELLOW

Odour

Odour threshold : Not stated.

Odour: FLORAL FRUITY GREEN

Melting point

Melting point/melting range : Not relevant.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash Point Interval : 60°C < FP <= 93°C

Method for determining the flash point:

ISO 2719 : 2016 (Pensky-Martens method in closed cup)

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Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.

pH : Not relevant.

Kinematic viscosity

Viscosity : Not stated.

Viscosity: $v < 7 \text{ mm}^2/\text{s}$ (40°C)**Solubility**

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

Density : 0.9884/1.0084@20°C

Method for determining the density :

OECD Guideline 109

Relative vapour density

Vapour density : Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

Index of refraction : 1.4755/1.4855@20°C

Method of determining the refractive index :

% VOC : 8.1222

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

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No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****11.1.1. Substances****a) Acute toxicity :**

2-METHYL-4-PHENYL-2-BUTANOL (CAS: 103-05-9)

Dermal route : LD50 = 3260 mg/kg body weight

1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE (CAS:
76-22-2)

Oral route : LD50 = 1500 mg/kg body weight

ISOAMYL ALCOHOL (CAS: 123-51-3)

Oral route : LD50 = 4000 mg/kg body weight

Dermal route : LD50 = 3216 mg/kg body weight

ISOEUGENOL (CAS: 97-54-1)

Oral route : LD50 = 1500 mg/kg body weight

Dermal route : LD50 = 1912 mg/kg body weight

METHYL 2-NONYNOATE (CAS: 111-80-8)

Oral route : LD50 = 1600 mg/kg body weight

Dermal route : LD50 = 4500 mg/kg body weight

INDOLE (CAS: 120-72-9)

Oral route : LD50 = 1000 mg/kg body weight

Dermal route : LD50 = 790 mg/kg body weight

2,4-DIMETHYL-3-CYCLOHEXEN-1-CARBOXALDEHYDE

Oral route : LD50 = 3900 mg/kg body weight

DL-CITRONELLOL (CAS: 106-22-9)

Oral route : LD50 = 3450 mg/kg body weight

Dermal route : LD50 = 2650 mg/kg body weight

2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE
(CAS: 103-95-7)

Oral route : LD50 = 3810 mg/kg body weight

P-TERT-BUTYLDIHYDROCINNAMALDEHYDE (CAS:
18127-01-0)

Oral route : LD50 = 2500 mg/kg body weight

TERPINEOL (CAS: 8000-41-7)

Oral route : LD50 = 4300 mg/kg body weight

BENZYL ACETATE (CAS: 140-11-4)

Oral route : LD50 = 2490 mg/kg body weight

ALPHA-HEXYLCINNAMALDEHYDE (CAS: 101-86-0)

Oral route : LD50 = 3100 mg/kg body weight

b) Skin corrosion/skin irritation :

No data available.

c) Serious damage to eyes/eye irritation :

No data available.

d) Respiratory or skin sensitisation :

No data available.

e) Germ cell mutagenicity :

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No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

No data available.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

No data available.

j) Aspiration hazard :

No data available.

11.1.2. Mixture

11.1.2.1 Information on hazard classes

a) Acute toxicity :

Oral route : No data available.

Dermal route : No data available.

Inhalation route (Dusts/mist) : No data available.

b) Skin corrosion/skin irritation :

No data available.

c) Serious damage to eyes/eye irritation :

No data available.

d) Respiratory or skin sensitisation :

May cause an allergic reaction by skin contact.

e) Germ cell mutagenicity :

No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

No data available.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

No data available.

j) Aspiration hazard :

No data available.

11.1.2.2 Other information

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 117-81-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 94-59-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 97-54-1 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 108-95-2 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 91-64-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 93-15-2 : IARC Group 2A : The agent is probably carcinogenic to humans.

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- CAS 100-42-5 : IARC Group 2A : The agent is probably carcinogenic to humans.
- CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
- CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.
- CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
- CAS 97-54-1 : IARC Group 2B : The agent is possibly carcinogenic to humans.
- CAS 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
- CAS 140-11-4 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 2 : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2023 - IMDG 2022 [41-22] - ICAO/IATA 2024 [65]).

14.1. UN number or ID number

3082

14.2. UN proper shipping name

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UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(alpha-hexylcinnamaldehyde)

14.3. Transport hazard class(es)



- Classification :

9

14.4. Packing group

III

14.5. Environmental hazards



- Environmentally hazardous material :

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	-
	Not subject to this regulation if Q ≤ 5 1/5 kg (ADR 3.3.1 - DS 375)									
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation	
	9	-	III	5 L	F-A. S-F	274 335 969	E1	Category A	-	
	Not subject to this regulation if Q ≤ 5 1/5 kg (IMDG 3.3.1 - 2.10.2.7)									
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	9	-	III	964	450 L	964	450 L	A97 A158	E1	

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								A197 A215		
	9	-	III	Y964	30 kg G	-	-	A97 A158 A197 A215	E1	
	Not subject to this regulation if Q <= 5 1 / 5 kg (IATA 4.4.4 - DS A197)									

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(alpha-hexylcinnamaldehyde)

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15 : REGULATORY INFORMATION

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

Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/2564. (ATP 22)

Container information:

No data available.

Particular provisions :

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): <https://echa.europa.eu/substances-restricted-under-reach>.

Authorisations agreed under Title VII of Regulation (EC) No.1907/2006 (REACH):

The mixture does not contain any substance subject to authorisation according to Annex XIV of REACH Regulation (EC) No 1907/2006: <https://echa.europa.eu/fr/authorisation-list>.

Substances that deplete the ozone layer (EC Regulation No. 1005/2009, Montreal Protocol) :

The mixture does not contain any substance posing a risk to the ozone layer.

Persistent organic pollutants (POP) (Regulation (EU) 2019/1021):

The mixture does not contain a persistent organic pollutant.

PIC Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (Rotterdam Convention):

The mixture is not subject to the Prior Informed Consent (PIC) procedure.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 2 : Hazardous for water.

Swiss ordinance on the incentive tax on volatile organic compounds :

- 99-87-6 p-cymène
- 111-27-3 hexane-1-ol

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100-51-6 Alcool benzylique

64-17-5 éthanol, seulement s'il s'agit d'alcools impropres à la consommation (art. 31 de la loi fédérale sur l'alcool)

5989-54-8 L-limonène ([S]-p-mentha-1,8-diene)

5989-27-5 D-limonène ([R]-p-mentha-1,8-diene)

138-86-3 DL-limonène ([RS]-p-mentha-1,8-diene)

140-11-4 acétate de benzyle

100-51-6 Alcool benzylique

64-17-5 éthanol, seulement s'il s'agit d'alcools impropres à la consommation (art. 31 de la loi fédérale sur l'alcool)

5989-27-5 D-limonène ([R]-p-mentha-1,8-diene)

99-87-6 p-cymène

108-88-3 toluène

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects .
H360FD	May damage fertility. May damage the unborn child.
H361	Suspected of damaging fertility or the unborn child .
H361d	Suspected of damaging the unborn child.
H371	May cause damage to organs .
H372	Causes damage to organs through prolonged or repeated exposure .
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

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Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
CMR: Carcinogenic, mutagenic or reprotoxic.
STEL : Short-term exposure limit
TWA : Time Weighted Averages
TLV : Threshold Limit Value (exposure)
AEV : Average Exposure Value.
ADR : European agreement concerning the international carriage of dangerous goods by Road.
GHS07 : Exclamation mark
GHS09 : Environment
IATA : International Air Transport Association.
IMDG : International Maritime Dangerous Goods.
ICAO : International Civil Aviation Organisation
PBT: Persistent, bioaccumulable and toxic.
PIC: Prior Informed Consent.
POP: Persistent Organic Pollutant.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
SVHC : Substances of very high concern.
vPvB : Very persistent, very bioaccumulable.
WGK : Wassergefährdungsklasse (Water Hazard Class).