

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: LAUNDRY PERFUME "FLORIS"  
 Code: 35602532 - 35602565  
 Model: HPCF10 - HPCF1040  
 EAN code: 8059019043401 - 8059019048017  
 UFI code: 3110-00RF-F004-MCMD

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

Laundry scent.  
 Sectors of use: Private households (= general public = consumers)[SU21]  
 Uses advised against: Do not use for purposes other than those listed.

**1.3 Details of the supplier of the safety data sheet**

Distributed by:  
 Candy Hoover Group S.r.l.  
 Via Privata Eden Fumagalli - 20861 Brugherio (MB) - Italy  
 Tel. +39.039.20861  
 e-mail address of the competent person responsible for the SDS: sds@dgsasrl.it

**1.4 Emergency telephone number**

ENGLAND, SCOTLAND (NHS 24) WALES (NHS Direct Wales) - For medical Advice contact 111

**SECTION 2. Hazards identification****2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms: GHS07, GHS09

Hazard Class and Category Code(s): Skin Sens. 1B, Eye Irrit. 2, Aquatic Chronic 2

Hazard statement Code(s):

H317 May cause an allergic skin reaction  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours. The product, if brought into contact with skin can cause skin sensitization.

The product is dangerous to the environment as it is toxic to aquatic life with long lasting effects

**2.1 Label elements**

Labelling according to Regulation (EC) No 1272/2008:

Pictogram



GHS07



GHS09

Signal Word

Warning

Hazard statement Code(s):

H317 may cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s): not applicable

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand. -  
 P102 Keep out of reach of children.  
 P273 Avoid release to the environment.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P501 Dispose of contents/container in accordance with local / regional / national / international regulation

Contains:

4-tert-butylcyclohexyl acetate; (2E)-2-benzylideneoctanal; Benzyl salicylate; OCTAHYDRO TETRAMETHYL ACETONAPHTONE; 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; Linalool; Linalyl acetate; d-limonene; Diacetyl.

## 2.1.1 Labelling of packaging containing less than or equal to 125 ml

Pictogram



GHS07



GHS09

Signal Word

Warning

Hazard statement Code(s):

H317 may cause an allergic skin reaction.

Supplemental Hazard statement Code(s): not applicable

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand. -  
 P102 Keep out of reach of children.  
 P273 Avoid release to the environment.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Contains:

4-tert-butylcyclohexyl acetate; (2E)-2-benzylideneoctanal; Benzyl salicylate; OCTAHYDRO TETRAMETHYL ACETONAPHTONE; 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; Linalool; Linalyl acetate; d-limonene; Diacetyl.

## 2.2 Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

No information on other hazards

## SECTION 3. Composition/information on ingredients

## 3.1 Substances

Irrelevant

## 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements.

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Substance	Concentration [w/w]	Classification		
p-tert-Butylcyclohexyl acetate	>= 10 < 20%	Skin Sens. 1B, H317 ATE oral = 3.886,0 mg/kg ATE dermal = 4.681,0 mg/kg	CE	ND CAS 32210-23-4 EINECS 250-954-9 REACH 01-2119976286-24-XXXX
Benzyl acetate	>= 5 < 10%	Aquatic Chronic 3, H412 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 3.690,0 mg/kg	CE	ND CAS 140-11-4 EINECS 205-399-7 REACH 01-2119638272-42-XXXX
Phenylethyl alcohol	>= 5 < 10%	Acute Tox. 4, H302; Eye Irrit. 2, H319 ATE oral = 1.610,0 mg/kg ATE dermal = 2.500,0 mg/kg	CE	ND CAS 60-12-8 EINECS 200-456-2 REACH 01-2119963921-31-XXXX
Hexyl Cinnamic Aldehyde	>= 5 < 10%	Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 3.100,0 mg/kg	CE	ND CAS 165184-98-5 EINECS 639-566-4 REACH 01-2119533092-50-XXXX
Benzyl salicylate	>= 3 < 5%	Skin Sens. 1B, H317; Eye Irrit. 2, H319; Aquatic Chronic 3, H412 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 2.230,0 mg/kg ATE dermal = 14.150,0 mg/kg	CE	ND CAS 118-58-1 EINECS 204-262-9 REACH 01-2119969442-31-XXXX
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	>= 1 < 3%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 5.001,0 mg/kg ATE dermal = 5.001,0 mg/kg	CE	ND CAS 54464-57-2 EINECS 259-174-3 REACH 01-2119489989-04-XXXX

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	>= 1 < 3%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1	CE ND CAS 68155-66-8 EINECS 268-978-3 REACH NR --
1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	>= 1 < 3%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1	CE ND CAS 68155-67-9 EINECS 268-979-9 REACH NR --
DIMETHYLBENZYL CARBINYL ACETATE	>= 1 < 3%	Aquatic Chronic 3, H412 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 3.300,0 mg/kg	CE ND CAS 151-05-3 EINECS 205-781-3 REACH 01-2120258394-51-XXXX
2,6-DI-TERT-BUTYL-p-CRESOL	>= 0,1 < 1%	Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg	CE - CAS 128-37-0 EINECS 204-881-4 REACH 01-2119565113-46-XXXX
Linalool	>= 0,1 < 1%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319 ATE oral = 2.790,0 mg/kg ATE dermal = 5.160,0 mg/kg ATE inhal = 1,5mg/l/4 h	CE ND CAS 78-70-6 EINECS 201-134-4 REACH 01-2119474016-42-XXXX
Linalyl acetate	>= 0,1 < 1%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319 ATE oral = 13.934,0 mg/kg ATE dermal = 5.000,0 mg/kg	CE ND CAS 115-95-7 EINECS 204-116-4 REACH 01-2119454789-19-XXXX
d-limonene Note: C	>= 0,1 < 1%	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ATE oral = 4.400,0 mg/kg ATE dermal = 5.000,0 mg/kg ATE inhal = 5.600,0mg/l/4 h	CE 601-029-00-7 CAS 5989-27-5 EINECS 227-813-5 REACH 01-2119529223-47-XXXX
Diacetyl substance for which there are community workplace exposure limits	< 0,1%	Flam. Liq. 2, H225; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Acute Tox. 3, H331; STOT RE 2, H373	CE ND CAS 431-03-8 EINECS 207-069-8 REACH NR --

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

#### Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

#### Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water.

#### Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately.

#### Ingestion:

Rinse mouth with water of the subject. Consult a physician.

### 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**

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

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

**SECTION 5. Firefighting measures****5.1 Extinguishing media**

*Advised extinguishing agents:*

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

*Extinguishing means to avoid:*

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

**5.2 Special hazards arising from the substance or mixture**

No data available.

**5.3 Advice for firefighters**

Use protection for the breathing apparatus Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use self-respiratory, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...) Keep containers cool with water spray.

**SECTION 6. Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel:**

Wear mask, gloves and protective clothing.

**6.1.2 For emergency responders:**

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert

**6.2 Environmental precautions**

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

**6.3 Methods and material for containment and cleaning up****6.3.1 For containment:**

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material. Prevent it from entering the sewer system.

**6.3.2 For cleaning up:**

After wiping up, wash the area and materials involved.

**6.3.3 Other information:**

None in particular.

**6.4 Reference to other sections**

Refer to paragraphs 8 and 13 for more information.

**SECTION 7. Handling and storage****7.1 Precautions for safe handling**

Avoid contact and inhalation of vapours.

At work do not eat or drink.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

See also paragraph 8 below

**7.2 Conditions for safe storage, including any incompatibilities**

Keep in original container closed tightly.

Do not store in open or unlabelled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

**7.3 Specific end use(s)**

Private households (= general public = consumers)

**SECTION 8. Exposure controls/personal protection****8.1 Control parameters**

Related to contained substances:

Benzyl acetate:

ACGIH - TWA(8h): 10 ppm - Note: A4 - URT irr

2,6-DI-TERT-BUTYL-p-CRESOL:

TLV-TWA=2mg/mL (ACGIH), A4, URT irr

d-limonene:

MAK: 20 110 mg/m ppm skin sensitization (Sh); Peak limitation category: II (2); Risk group for pregnancy: C; (DFG 2005).

Diacetyl:

UE - TWA(8h): 0,07 mg/m<sup>3</sup>, 0,02 ppm - STEL: 0,36 mg/m<sup>3</sup>, 0,1 ppm

ACGIH - TWA(8h): 0.01 ppm - STEL: 0.02 ppm - Note: A4 - Lung dam (Bronchiolitis obliterans-like illness)

p-tert-Butylcyclohexil acetate

PNEC

Sweet water = 0,0053 (mg/l)

sediment Sweet water = 2,1 (mg/kg/sediment)

Sea water = 0,00053 (mg/l)

sediment Sea water = 0,21 (mg/kg/sediment)

STP = 12,2 (mg/l)

ground = 0,42 (mg/kg ground)

Benzyl acetate

DNEL

Systemic effects long term Workers inhalation = 21,9 (mg/m<sup>3</sup>)

Systemic effects long term Workers dermal = 6,25 (mg/kg bw/day)

Systemic effects long term Consumers inhalation = 5,5 (mg/m<sup>3</sup>)

Systemic effects long term Consumers dermal = 3,125 (mg/kg bw/day)

Systemic effects long term Consumers oral = 3,125 (mg/kg bw/day) PNEC

Sweet water = 0,000004 (mg/l)

sediment sweet water = 0,114 (mg/kg/sediment)

sediment Sea water = 0,0114 (mg/kg/sediment)

STP = 8,55 (mg/l)

ground = 0,0205 (mg/kg ground)

Phenylethyl alcohol

DNEL

Systemic effects long term Worker's inhalation = 59,9 (mg/m<sup>3</sup>)

Systemic effects long term Workers dermal = 51,2 (mg/kg bw/day)

Systemic effects long term Consumers inhalation = 17,7 (mg/m<sup>3</sup>)

Systemic effects long term Consumers dermal = 12,7 (mg/kg bw/day)

Systemic effects long term Consumers oral = 5,1 (mg/kg bw/day)

Linalool

DNEL

Systemic effects long term Worker's inhalation = 2,8 (mg/m<sup>3</sup>)

Systemic effects long term Workers dermal = 2,5 (mg/kg bw/day)

Systemic effects long term Consumers inhalation = 0,7 (mg/m<sup>3</sup>)

Systemic effects long term Consumers dermal = 1,25 (mg/kg bw/day)

Systemic effects long term Consumers oral = 0,2 (mg/kg bw/day)

Systemic effects short term Consumers inhalation = 4,1 (mg/m<sup>3</sup>)

Systemic effects short term Consumers dermal = 2,5 (mg/kg bw/day)

Systemic effects short term Consumers oral = 1,2 (mg/kg bw/day)

Local effects long term Workers dermal = 15 (mg/kg bw/day)

Local effects long term Consumers dermal = 15 (mg/kg bw/day)

Local effects short term Workers dermal = 15 (mg/kg bw/day)

Local effects short term Consumers dermal = 15 (mg/kg bw/day) PNEC

Sweet water = 0,2 (mg/l)

sediment sweet water = 2,22 (mg/kg/sediment)

Sea water = 0,02 (mg/l)

sediment Sea water = 0,22 (mg/kg/sediment)

intermittent emissions = 2 (mg/l)

STP = 10 (mg/l)

ground = 0,327 (mg/kg ground)

Linalyl acetate

DNEL

Systemic effects long term Worker's inhalation = 2,75 (mg/m<sup>3</sup>)

Systemic effects long term Workers dermal = 2,5 (mg/kg bw/day)

Systemic effects long term Consumers inhalation = 0,68 (mg/m<sup>3</sup>)

Systemic effects long term Consumers dermal = 1,25 (mg/kg bw/day)

Systemic effects long term Consumers oral = 0,2 (mg/kg bw/day)

## 8.2 Exposure controls

*Appropriate engineering controls*

Private households (= general public = consumers): observe usual safety precautions in the handling of chemicals.

*Individual protection measures*

a) Eye / face protection: not needed for normal use.

b) Skin protection

i) Hand protection: not needed for normal use.

ii) Other: wear normal work clothing.

c) Respiratory protection: not needed for normal use.

d) Thermal hazards: no hazard to report.

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a)	Appearance	Liquid
b)	Colour	Colorless
c)	Odour	Characteristic
d)	Melting point/freezing point	Undefined
e)	Initial boiling point and boiling range	Undefined
f)	Flammability	Undefined
g)	Lower and upper explosion limit	Undefined
h)	Flash point	>60°C
i)	Auto-ignition temperature	Undefined
j)	Decomposition temperature	Undefined
k)	pH	Undefined
l)	Kinematic viscosity	Undefined
m)	Solubility	Fat soluble
n)	Partition coefficient n-octanol/water (log value)	Undefined
o)	Vapour pressure	Undefined
p)	Density and/or relative density	1,010-1,030g/mL
q)	Relative vapour density	Undefined
r)	Particle characteristics	Not applicable

### 9.2 Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

No reactivity hazards.

### 10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3 Possibility of hazardous reactions

There are no hazardous reactions.

### 10.4 Conditions to avoid

Nothing to report.

### 10.5 Incompatible materials

Non in particular.

### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

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

ATE(mix) oral = 17.576,6 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) *acute toxicity*:  
based on available data, the classification criteria are not met.
- (b) *skin corrosion/irritation*:  
d-limonene: Irritating
- (c) *serious eye damage/irritation*:  
If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.  
d-limonene: Mildly irritating
- (d) *respiratory or skin sensitization*:  
The product, if brought into contact with skin can cause skin sensitization.
- (e) *germ cell mutagenicity*:  
Based on available data, the classification criteria are not met.
- (f) *carcinogenicity*:  
Based on available data, the classification criteria are not met.
- (g) *reproductive toxicity*:  
Based on available data, the classification criteria are not met.
- (h) *STOT-single exposure*:  
Based on available data, the classification criteria are not met.
- (i) *STOT-repeated exposure*:  
d-limonene: repeated or prolonged contact may cause skin sensitization.
- (j) *aspiration hazard*:  
Based on available data, the classification criteria are not met.

Related to contained substances

p-tert-Butylcyclohexil acetate

LD50 (rat) Oral (mg/kg body weight) = 3886

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 4681

Benzyl acetate:

LD50 (rat) Oral (mg/kg body weight) = 3690

Phenylethyl alcohol:

LD50 (rat) Oral (mg/kg body weight) = 1610

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2500

Hexyl Cinnamic Aldehyde:

LD50 (rat) Oral (mg/kg body weight) = 3100

Benzyl salicylate:

LD50 (rat) Oral (mg/kg body weight) = 2230

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 14150

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

LD50 (rat) Oral (mg/kg body weight) = 5001

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5001

DIMETHYLBENZYL CARBINYL ACETATE:

LD50 (rat) Oral (mg/kg body weight) = 3300

2,6-DI-TERT-BUTYL-p-CRESOL:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Linalool:

LD50 (rat) Oral (mg/kg body weight) = 2790

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5160

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 1,5

Linalyl acetate:

LD50 (rat) Oral (mg/kg body weight) = 13934

LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

d-limonene:

LD50 (rat) Oral (mg/kg body weight) = 4400

LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5600

**11.1 Information on other hazards**

No data available

**SECTION 12. Ecological information****12.1 Toxicity**

Related to contained substances

p-tert-Butylcyclohexil acetate:

EC50 - Species: Daphnia = 5.3 mg / l - Duration h: 48 - Notes: Daphnia magna

EC50 - Species: Fish = 22 mg / l - Duration h: 72 - Notes: Desmodemus subspicatus

LC50 - Species: Fish = 8.6 mg / l - Duration h: 96 - Notes: Cyprinus carpio

NOEC - Species: Fish = 6.8 mg / l - Duration h: 72 - Notes: Desmodemus subspicatus

Benzyl acetate:

LC50 = 4mg/L (fish, 96h)

EC50 = 17mg/L (daphnia, 48h)

EC50 = 110mg/L (algae, 72h)

C(E)L50 (mg/l) = 11

Phenylethyl alcohol:

EC50 - Species: Leuciscus idus = 220-460 mg / l - Duration h: 96

EC50 - Species: Daphnia magna (Water flea) = 287.2 mg / l - Duration h: 48

EC50 - Species: Aquatic plants = 490 mg / l - Duration h: 72

EC50 - Species: Micro-organisms (Pseudomonas putida) = 1.320 mg / l - Duration h: 17

Hexyl Cinnamic Aldehyde:

LC50 - Species: Fish = 1.7 mg / l - Duration h: 96

Benzyl salicylate:

LC50 - Species: Fish = 1.03 mg / l - Duration h: 96 - Notes: Method: OECD Test 203 species: Danio rerio (zebra fish)

EC50 - Species: Daphnia = 2.25 ml / l - Duration h: 48 - Notes: Method: OECD Test 202 Species: Daphnia magna

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

LC50 = 1.30 mg/l (fish, lepomis macrochirus, 96h) (OECD TG 203)

EC50 = 1.38 mg/l (invertebrates, Daphnia magna, 48h) (OECD TG 202)

EC50 = 2.60 mg/l (algae Desmodemus subspicatus, 72h,) (OECD TG201)

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

LC50 = 1.30 mg/l (fish, lepomis macrochirus, 83d) OECD TG 203

EC50 = 1.38 mg/l (invertebrates, Daphnia magna, 48 h) OECD TG 202

EC50 = 2.60 mg/l (algae Desmodemus subspicatus, 72 h) OECD TG 201 NOEC - Fish = 0.16 mg/l - Note: OECD 210

C(E)L50 (mg/l) = 1,3

1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

LC50 = 1.30 mg/l (fish, lepomis macrochirus, 83d)

EC50 = 1.38 mg/l (invertebrates, Daphnia magna, 48 h)

EC50 = 2.60 mg/l (algae Desmodemus subspicatus, 72 h) C(E)L50 (mg/l) = 1,3

2,6-DI-TERT-BUTYL-p-CRESOL:

The substance is harmful to aquatic organisms.

EC50 = 0,758mg/L (algae, 96h)

EC50 = 0,48mg/L (invertebrates, daphnia magna, 48 h)

LC50 = 0,199mg/L (fish, 83d)

EC50 = 1,7 mg/L (microorganisms, psaudomonas putida, 24h)

C(E)L50 (mg/l) = 0,199

Linalool:

LC50 - Species: Fish = 27.8 mg / l - Duration h: 96 - Notes: OECD 203

EC50 - Species: Daphnia = 59 mg / l - Duration h: 48 - Notes: OECD TG 202

EC50 - Species: Algae = 156.7 mg / l - Duration h: 96

d-limonene:

LC50 - Species: Fish = 0.72 mg / l - Duration h: 96

EC50 - Species: Fish = 0.688 mg / l - Duration h: 96

C(E)L50 (mg/l) = 0,688

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure. Use according to good working practices to avoid pollution into the environment

**12.2 Persistence and degradability**

Related to contained substances

Benzyl salicylate:



Biodegradability: Readily biodegradable - Test: OECD TG 301 F

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one:

OECD 301B1 - 28 days - 72.1%

Linalool:

OECD 301 D: 64,2%

### 12.3 Bioaccumulative potential

Related to contained substances

Related to contained substances:

d-limonene: can be no bioaccumulation of this chemical in fish

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No adverse effects.

## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions.

Operate according to local and National rules in force

## SECTION 14. Transport information

### 14.1 UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3082

### 14.2 UN proper shipping name

ADR/RID/IMDG/ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,6-DI-TERT-BUTYL-p-CRESOL, Limonene, Benzyl benzoate, Citronellol)

### 14.3 Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: class 9

### 14.4 14.1. Packing group

ADR/RID/IMDG/ICAO-IATA: III

### 14.5 Environmental hazards

ADR/RID/ICAO-IATA: Product is environmentally hazardous

IMDG: Marine polluting agent : Yes

### 14.6 Special precautions for user

The goods must be transported by vehicles authorized to transport of dangerous goods according to the current edition of ADR requirements and applicable national regulations.

The goods must be in original packing, however, in packaging made of materials resistant to their content and not likely to generate with these dangerous reactions. People loading and unloading dangerous goods must be trained on the risks from these substances and that must be taken in case of emergency situations

### 14.7 Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

## SECTION 15. Regulatory information

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

Reg (EC) n. 1907/2006 (REACH)

Reg (EC) n. 1272/2008 (CLP)

Reg (EC) n. 878/2020 (Requirements for the compilation of safety data sheets)

Reg (E) n.790/2009

Dir 96/82/EC as amended.

Seveso category: E2 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 – waste:

HP13 – Sensitising

HP14 - Ecotoxic

### 15.2 Chemical safety assessment

No chemical safety assessment was carried out by the supplier.

## SECTION 16. Other information

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

- (a) Points modified compared to previous release: this sheet supersedes all previous editions
- (b) Abbreviations and acronyms used in the safety data sheet
- ACGIH American Conference of Governmental Industrial Hygienists
  - ADR Accord Relatif au Transport International des Marchandises Dangereuses par Route
  - bw body weight
  - CLP Classification, Labelling and Packaging
  - CSR Chemical Safety Report
  - DMEL Derived Minimal Effect Level
  - DNEL Derived No Effect Level
  - dw dry weight
  - EC Effective Concentration
  - IATA International Air Transport Association
  - IMDG International Maritime Dangerous Goods
  - LC Lethal Concentration
  - LD Lethal Dose
  - m.w. molecular weight
  - PBT Persistent, Bioaccumulative and Toxic
  - PNEC Predicted No Effect Concentration
  - OECD Organization/Office for Economic Co-operation and Development
  - STEL Short Term Exposure Limit
  - SVHC Substance of Very High Concern
  - TLV Threshold Limit Value
  - TWA Time Weighted Average
  - vPvB very Persistent, very Bioaccumulative and toxic
  - WGK Wassergefährdungsklasse (Water hazard class)
- (c) literature references and sources for data
- Safety data sheet from the supplier of the product (Rel. 2 on 28/04/2021)
  - SAX 12 Ed Van Nostrand Reinhold MERCK INDEX 15 Ed
  - ECHA: European Chemicals Agency
  - OSHA: European Agency for Safety and Health at Work
  - IARC: International Agency for Research on Cancer
  - IPCS: International Program on Chemical Safety (Cards)
  - NIOSH: Registry of toxic effects of chemical substances (1983)
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - TOXNET: Toxicology Data Network
  - WHO: World Health Organization
  - Celest: Chemical Lists Information System
  - GESTIS: International Limit Value (<https://limitvalue.ifa.dguv.de/>)
- (d) methods used for the purpose of classification  
Classification based on data of all mixture components
- (e) list of relevant hazard statements and/or precautionary statements exposed to point 3
- H317 = May cause an allergic skin reaction.  
H412 = Harmful to aquatic life with long lasting effects. H302 = Harmful if swallowed.  
H319 = Causes serious eye irritation. H400 = Very toxic to aquatic life.  
H411 = Toxic to aquatic life with long lasting effects. H315 = Causes skin irritation.  
H410 = Very toxic to aquatic life with long lasting effects. H226 = Flammable liquid and vapour.  
H225 = Highly flammable liquid and vapour. H318 = Causes serious eye damage.  
H331 = Toxic if inhaled.  
H373 = May cause damage to organs through prolonged or repeated exposure
- (f) advice on any training appropriate for workers to ensure protection of human health and the environment
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#### NOTICE TO USERS

The information contained in this sheet are based on the knowledge available at the date of the preparation of this sheet.

The user must be aware of the possible risks associated with the use of the product, other than that for which the product is supplied. The sheet does not exonerate the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is

simply to help the user to fulfill its obligations regarding the use of hazardous products.  
This sheet does not exonerate the user from other legal obligations than those mentioned and from rules regulating possession and use of the product, since the user is the only responsible.

\*\*\*This sheet supersedes all previous editions.