

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 27.11.2023

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

### **1.1. Product identifier**

Product form	: Mixture
Trade name	: CAPRI NEROLI #EU55629F
UFI	: PV1M-FC7Y-P00S-87RK
Product code	: EU55629F
Type of product	: Perfumes, fragrances
Product group	: Trade product

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

#### 1.2.1. Relevant identified uses

Main use category	: Professional use,Industrial use
Industrial/Professional use spec	: Industrial
	For professional use only
Use of the substance/mixture	: Perfumes, fragrances
Function or use category	: Odour agents

#### 1.2.2. Uses advised against

No additional information available

# 1.3. Details of the supplier of the safety data sheet

FRENCH COLOR & FRAGRANCE International GmbH Mittlerer Weg 35 DE– 79424 Auggen Germany T 49-7631-931-8900 SDS@frenchcolor.com - www.frenchcolor.com

#### 1.4. Emergency telephone number

Emergency number

: 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731; Brazil: +0-800-591-6042; India: +000-800-100-4086

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment – Chronic Hazard,	H411
Category 2	

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

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

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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Contains	: Hexyl cinnamic aldehyde; Petitgrain oil; d-Limonene; Linalyl acetate; Linalool; Orange oil
	Nerol; Lime oil distilled ; Dipentene
Hazard statements (CLP)	: H315 - Causes skin irritation.
	H317 - May cause an allergic skin reaction.
	H319 - Causes serious eye irritation.
	H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P272 - Contaminated work clothing should not be allowed out of the workplace.
	P273 - Avoid release to the environment.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	P302+P352 - IF ON SKIN: Wash with plenty of water.
Extra phrases	: For professional users only.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# SECTION 3: Composition/information on ingredients

# 3.1. Substances

# Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Bis(2-ethylhexyl) adipate substance with national workplace exposure limit(s) (PL)	CAS-No.: 103-23-1 EC-No.: 203-090-1 REACH-no: 01-2119439699- 19	19,6 – 39,23	Not classified
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092- 50	7 – 14	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Petitgrain oil	CAS-No.: 8014-17-3 EC-No.: 277-143-2, 616-946- 8 REACH-no: 01-2120748358- 44	4,5 – 9,0158	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Ethylene brassylate	CAS-No.: 105-95-3 EC-No.: 203-347-8 REACH-no: 01-2119976314- 33	3,5 – 7	Aquatic Chronic 2, H411
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227- 29	2,5 – 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789- 19	2,2 - 4,4888	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Oranger Crystals	CAS-No.: 93-08-3 EC-No.: 202-216-2	2,1 - 4,2	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
ETHYLENE DODECANEDIOATE	CAS-No.: 54982-83-1 EC-No.: 259-423-6	2 – 4	Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	1,1 – 2,1053	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Neroline Crystals	CAS-No.: 93-18-5 EC-No.: 202-226-7	0,7 – 1,4	Aquatic Chronic 2, H411 Skin Irrit. 2, H315
(R)-p-mentha-1,8-diene; d-limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 205-341-0 EC Index-No.: 601-096-00-2 REACH-no: 01-2119493353- 35	0,6 – 1,1088	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
1-[(2-tert-butyl)cyclohexyloxy]-2-butanol	CAS-No.: 139504-68-0 EC-No.: 412-300-2 EC Index-No.: 603-154-00-2 REACH-no: 01-0000015959- 52	0,5 – 1	Aquatic Chronic 2, H411
Orange oil	CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353- 35	0,4 – 0,8659	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Nerol	CAS-No.: 106-25-2 EC-No.: 203-378-7	0,4 - 0,7	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Lime oil distilled	CAS-No.: 8008-26-2 EC-No.: 290-010-3 REACH-no: 01-2120138646- 51	0,1 – 0,1197	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 1A, H360FD Asp. Tox. 1, H304 Aquatic Chronic 1, H410
dipentene; limonene substance with national workplace exposure limit(s) (EE, LT, SE, NO)	CAS-No.: 138-86-3	0,1 – 0,1197	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
.alphaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	CAS-No.: 80-56-8 EC-No.: 201-291-9	0 – 0,0441	Flam. Liq. 3, H226

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT)	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829- 23	0 – 0,0158	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

Full text of H- and EUH-statements: see section 16

#### **SECTION 4: First aid measures** 4.1. Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. First-aid measures after skin contact Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use. Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction. Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Sand. Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Special hazards arising from the subs	tance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures			
6.1. Personal precautions, protective e	quipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".		
Emergency procedures	: Ventilate area.		
6.2. Environmental precautions			
Avoid release to the environment. Prevent entry	y to sewers and public waters. Notify authorities if liquid enters sewers or public waters.		

6.3. Methods and material for containment and cleaning up			
For containment	: Collect spillage.		
Methods for cleaning up	: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.		
Other information	: Dispose of materials or solid residues at an authorized site.		
6.4. Reference to other sections			

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and stora	ge
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul> <li>Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.</li> <li>Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatible products Incompatible materials Storage temperature Storage area Special rules on packaging Packaging materials	<ul> <li>Strong bases. Strong acids.</li> <li>Sources of ignition. Direct sunlight.</li> <li>25 °C</li> <li>Store in a well-ventilated place. Store away from heat.</li> <li>Store in a closed container.</li> <li>Do not store in corrodable metal.</li> </ul>
7.3. Specific end use(s)	

No additional information available

# SECTION 8: Exposure controls/personal protection

8.1. Control parameters

# 8.1.1 National occupational exposure and biological limit values

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Bis(2-ethylhexyl) adipate (103-23-1)		
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	400 mg/m <sup>3</sup>	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1]	140 mg/m <sup>3</sup>	
HTP (OEL TWA) [2]	25 ppm	
HTP (OEL STEL)	280 mg/m <sup>3</sup>	
HTP (OEL STEL) [ppm]	50 ppm	
Germany - Occupational Exposure Limits (TRGS 9	00)	
AGW (OEL TWA) [1]	28 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
AGW (OEL TWA) [2]	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Chemical category	Skin notation, Skin sensitization	
Slovenia - Occupational Exposure Limits		
OEL TWA	28 mg/m <sup>3</sup>	
OEL TWA	5 ppm	
OEL STEL	112 mg/m <sup>3</sup>	
OEL STEL	20 ppm	
OEL chemical category	Potential for cutaneous absorption	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	168 mg/m <sup>3</sup>	
VLA-ED (OEL TWA) [2]	30 ppm	
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption	
Norway - Occupational Exposure Limits	·	
Grenseverdi (OEL TWA) [1]	140 mg/m <sup>3</sup>	
Grenseverdi (OEL TWA) [2]	25 ppm	
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)	
Korttidsverdi (OEL STEL) [ppm]	37,5 ppm (value calculated)	
OEL chemical category	Allergenic substance	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	40 mg/m <sup>3</sup>	
MAK (OEL TWA) [2]	7 ppm	
KZGW (OEL STEL)	80 mg/m <sup>3</sup>	
KZGW (OEL STEL) [ppm]	14 ppm	
OEL chemical category	Sensitizer	
citral (5392-40-5)		
Belgium - Occupational Exposure Limits		
OEL TWA	32 mg/m³ (vapor and aerosol)	

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citral (5392-40-5)				
OEL TWA	5 ppm (vapor and aerosol)			
OEL chemical category	Skin			
Ireland - Occupational Exposure Limits				
OEL TWA [2]	5 ppm			
OEL STEL	15 ppm (calculated)			
Poland - Occupational Exposure Limits				
NDS (OEL TWA)	27 mg/m <sup>3</sup>			
NDSCh (OEL STEL)	54 mg/m <sup>3</sup>			
Portugal - Occupational Exposure Limits				
OEL TWA	5 ppm (inhalable fraction; vapor)			
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure			
Spain - Occupational Exposure Limits				
VLA-ED (OEL TWA) [2]	5 ppm (inhalable fraction and vapor)			
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption			
USA - ACGIH - Occupational Exposure Limits				
ACGIH OEL TWA [ppm]	5 ppm (inhalable fraction and vapor)			
ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer			
.alphaPinene (80-56-8)				
Belgium - Occupational Exposure Limits				
OEL TWA	20 ppm			
Estonia - Occupational Exposure Limits				
OEL TWA	150 mg/m <sup>3</sup> (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)			
OEL TWA	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)			
OEL STEL	300 mg/m³ (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)			
OEL STEL	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)			
Lithuania - Occupational Exposure Limits				
IPRV (OEL TWA)	150 mg/m <sup>3</sup>			
IPRV (OEL TWA) [ppm]	25 ppm			
TPRV (OEL STEL)	300 mg/m <sup>3</sup>			
TPRV (OEL STEL) [ppm]	50 ppm			
Portugal - Occupational Exposure Limits				
OEL TWA	20 ppm (Turpentine and selected Monoterpenes)			
OEL chemical category	Sensitizer dermal, A4 - Not Classifiable as a Human Carcinogen			
Spain - Occupational Exposure Limits				
VLA-ED (OEL TWA) [1]	113 mg/m <sup>3</sup>			

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.alphaPinene (80-56-8)			
VLA-ED (OEL TWA) [2]	20 ppm		
OEL chemical category	Sensitizer		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	300 mg/m <sup>3</sup>		
KTV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer		
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA) [1]	140 mg/m <sup>3</sup>		
Grenseverdi (OEL TWA) [2]	25 ppm		
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)		
Korttidsverdi (OEL STEL) [ppm]	37,5 ppm (value calculated)		
OEL chemical category	Skin notation		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)		
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer		
dipentene; limonene (138-86-3)			
Estonia - Occupational Exposure Limits			
OEL TWA	150 mg/m <sup>3</sup> (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL TWA	25 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL	300 mg/m <sup>3</sup> (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
OEL STEL	50 ppm (Turpentine produced from Nordic conifers has an irritating effect on the skin, monoterpenes, with the exception of 3-Carene, have a lesser effect)		
Lithuania - Occupational Exposure Limits			
IPRV (OEL TWA)	150 mg/m³		
IPRV (OEL TWA) [ppm]	25 ppm		
TPRV (OEL STEL)	300 mg/m <sup>3</sup>		
TPRV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer coniferous resin sensitizes the skin		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	150 mg/m³		
NGV (OEL TWA) [ppm]	25 ppm		
KTV (OEL STEL)	300 mg/m <sup>3</sup>		
KTV (OEL STEL) [ppm]	50 ppm		
OEL chemical category	Sensitizer		

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dipentene; limonene (138-86-3)			
Norway - Occupational Exposure Limits			
Grenseverdi (OEL TWA) [1]	140 mg/m³		
Grenseverdi (OEL TWA) [2] 25 ppm			
Korttidsverdi (OEL STEL)     175 mg/m³ (value calculated)			
Korttidsverdi (OEL STEL) [ppm]	37,5 ppm (value calculated)		
OEL chemical category	Allergenic substance		

### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

### Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

**Eye protection:** Chemical goggles or safety glasses. Safety glasses

## 8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Wear protective gloves.

8.2.2.3. Respiratory protection

**Respiratory protection:** Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

### Environmental exposure controls:

Avoid release to the environment.

**Other information:** Do not eat, drink or smoke during use.

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#### **SECTION 9: Physical and chemical properties** 9.1. Information on basic physical and chemical properties Physical state : Liquid light yellow. amber. Conforms to standard. Colour 1 characteristic. Odour Odour threshold Not available • Melting point Not applicable · Freezing point Not available Boiling point Not available Flammability : Not applicable Lower explosion limit : Not available : Not available Upper explosion limit · > 93 °C Flash point : Not available Auto-ignition temperature Decomposition temperature Not available pН : Not available Viscosity, kinematic : 20.5 mm<sup>2</sup>/s Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available : Not available Density Relative density : Not available Relative vapour density at 20°C : Not available

: Not applicable

#### 9.2. Other information

Particle characteristics

### 9.2.1. Information with regard to physical hazard classes

No additional information available

# 9.2.2. Other safety characteristics

No additional information available

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

**10.5. Incompatible materials** 

Strong acids. Strong bases.

#### **10.6. Hazardous decomposition products**

fume. Carbon monoxide. Carbon dioxide.

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SECTION 11: Toxicological information				
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
Acute toxicity (oral)       : Not classified         Acute toxicity (dermal)       : Not classified         Acute toxicity (inhalation)       : Not classified				
Bis(2-ethylhexyl) adipate (103-23-1)				
LD50 oral rat	5600 mg/kg (Source: NLM_CIP)			
LD50 dermal rabbit	8410 mg/kg (Source: NLM_CIP)			
LC50 Inhalation - Rat	> 5,7 mg/l/4h			
Hexyl cinnamic aldehyde (101-86-0)				
LD50 oral rat	3100 mg/kg (Source: NLM_CIP)			
LD50 oral	3100 mg/kg bodyweight			
LD50 dermal rabbit	> 3000 mg/kg (Source: EPA_HPV)			
LC50 Inhalation - Rat	> 5 mg/l/4h			
Ethylene brassylate (105-95-3)				
LD50 oral rat	> 5000 mg/kg (Source: ECHA)			
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA)			
Petitgrain oil (8014-17-3)				
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)			
LD50 oral	4029 mg/kg bodyweight			
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)				
LD50 oral rat > 3250 mg/kg (Source: CHEMVIEW)				
LD50 dermal rabbit	> 3250 mg/kg (Source: CHEMVIEW)			
1-[(2-tert-butyl)cyclohexyloxy]-2-butanol (139504-68-0)				
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)			
ETHYLENE DODECANEDIOATE (54982-83-1)				
LD50 oral	4500 mg/kg bodyweight			
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)				
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)			
LD50 dermal rabbit > 5 g/kg (Source: CHEMVIEW)				
Oranger Crystals (93-08-3)				
LD50 oral	3100 mg/kg bodyweight			
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)			
Neroline Crystals (93-18-5)				
LD50 oral rat	3110 mg/kg (Source: NLM_CIP)			
LD50 oral	3110 mg/kg bodyweight			
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)			

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Linalyl acetate (115-95-7)		
LD50 oral rat	14550 mg/kg (Source: EPA_HPV)	
LD50 dermal rabbit	> 5000 mg/kg (Source: EPA_HPV)	
Linalool (78-70-6)		
LD50 oral	2790 mg/kg bodyweight	
Orange oil (8008-57-9)		
LD50 oral rat	4400 mg/kg (Source: NZ_CCID)	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)	
Nerol (106-25-2)		
LD50 oral rat	4500 mg/kg (Source: NLM_CIP)	
LD50 oral	4500 mg/kg bodyweight	
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)	
citral (5392-40-5)	<u> </u>	
LD50 oral rat	4960 mg/kg (Source: NLM_CIP)	
LD50 dermal rabbit	2250 mg/kg (Source: NLM_CIP)	
Lime oil distilled (8008-26-2)		
LD50 oral rat	5600 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
.alphaPinene (80-56-8)		
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)	
LD50 oral	500 mg/kg bodyweight	
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)	
dipentene; limonene (138-86-3)		
LD50 oral rat	5300 mg/kg (Source: NLM_CIP)	
Skin corrosion/irritation :	Causes skin irritation.	
Serious eye damage/irritation :	Causes serious eye irritation.	
	May cause an allergic skin reaction.	
5 ,	Not classified	
Carcinogenicity :	Not classified	
Bis(2-ethylhexyl) adipate (103-23-1)		
IARC group	3 - Not classifiable	
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
IARC group	3 - Not classifiable	
Reproductive toxicity :	Not classified	
5 1	Not classified	
	Not classified	
Aspiration hazard :	Not classified	
CAPRI NEROLI #EU55629F		
Viscosity, kinematic	20,5 mm <sup>2</sup> /s	
Orange oil (8008-57-9)		
Hydrocarbon	Yes	
L		

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

# 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

### No additional information available

### 11.2.2. Other information

Potential adverse human health effects and symptoms

: Based on available data, the classification criteria are not met

# **SECTION 12: Ecological information**

Hazardous to the aquatic environment, short–term : Not classified (acute) Hazardous to the aquatic environment, long–term : Toxic to aquatic life with long lasting effects.	12.1. Toxicity				
(dronic)           Bis(2-chylhexyl) adipate (103-23-1)           LC50 - Fish [1]         0.48 - 0.85 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)           LC50 - Fish [2]         0.48 - 0.85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)           EC50 - Crustacea [1]         > 1.6 mg/l (Exposure time: 96 h - Species: Daphnia magna)           EC50 - Crustacea [1]         > 1.6 mg/l (Exposure time: 96 h - Species: Daphnia magna)           EC50 - Crustacea [1]         > 500 mg/l (Species: Desmodesmus subspicatus)           IC50 - Fish [1]         0.452 mg/l Wolf, 1996d-27682           LC50 - Other aquatic organisms [1]         > 0.14 mg/l REACH DOSSIER Pimephales promelas           EC50 - Crustacea [2]         260 ug/l REACH Dossier           EC50 - Other aquatic organisms [1]         0.131 mg/l REACH Dossier           EC50 - Fish [1]         0.88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: CHA)           (PJ-p-mentha-1,8-diene; d-limonene (5989-27- ECHA)         Source: EPA)           LC50 - Fish [1]         0.88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: CHA)           (L50 - Fish [2]         So mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: CHA)           (L50 - Fish [2]         So mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)           LC50 - Fish [2]					
LC50 - Fish [1]0.48 - 0.85 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)LC50 - Fish [2]0.48 - 0.85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)EC50 - Crustacea [1]> 1.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)EC50 - Crustacea [1]> 500 mg/l (Species: Desmodesmus subspicatus)1.3.4.6,7,8-hexahydro-4,6,6,7,8,8-hexamethylittero15,6-Cipyran; galaxolide; (HHCB) (1222-05-5)LC50 - Fish [1]0.452 mg/l Wolf, 1996d-27682LC50 - Other aquatic organisms [1]> 0.14 mg/l REACH DOSSIER Pimephales promelasEC50 - Crustacea [2]260 µg/l REACH DossierEC50 - Other aquatic organisms [1]0.131 mg/l REACH DossierEC50 - Other aquatic organisms [1]0.131 mg/l REACH DossierEC50 - Fish [1]0.88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)LC50 - Fish [1]0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]So mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)LC50 - Fish [2]So mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)LInalyl acetate (115-95-7)It mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: EPA)LInalyl acetate (115-95-7)It mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linaloo (78-70-6)It mg/l (Species: Desmodesmus subspicatus)					
EPA)LC50 - Fish [2]0.48 - 0.85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)EC50 - Crustacea [1]> 1.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)EC50 72h - Algae [1]> 500 mg/l (Species: Desmodesmus subspicatus)1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylinetro[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)LC50 - Fish [1]0.452 mg/l Wolf, 1996d-27682LC50 - Other aquatic organisms [1]> 0.14 mg/l REACH DOSSIER Pimephales promelasEC50 - Crustacea [2]260 µg/l REACH DossierEC50 - Other aquatic organisms [1]0.131 mg/l REACH DossierEC50 - Other aquatic organisms [1]0.131 mg/l REACH DossierEC50 - Other aquatic organisms [1]0.88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)LC50 - Fish [1]0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [1]0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [1]11 mg/l REACH DOSSierLC50 - Fish [1]11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linalyl acetate (115-95-7)11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linalool (78-70-6)11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA) <td>Bis(2-ethylhexyl) adipate (103-23-1)</td> <td></td>	Bis(2-ethylhexyl) adipate (103-23-1)				
EPA)           EC50 - Crustacea [1]         > 1.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)           EC50 72h - Algae [1]         > 500 mg/l (Species: Desmodesmus subspicatus)           1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylimetro[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)         Image: Comparison of the species: Daphnia magna)           LC50 - Fish [1]         0,452 mg/l Wolf, 1996d-27682         Image: Comparison of the species: Daphnia magna)           LC50 - Other aquatic organisms [1]         > 0,14 mg/l REACH DOSSIER Pimephales promelas         Image: Comparison of the magna of the species: Daphnia magna)           EC50 - Crustacea [2]         260 µg/l REACH DOSSIER Pimephales promelas         Image: Comparison of the magna of the species: Daphnia magna of the species: Daphnia magna)           EC50 - Other aquatic organisms [1]         0,131 mg/l REACH DOSSIER Pimephales promelas         Image: Comparison of the species: Daphnia magna of the species: Distribution of the species: Comparison of the species: Pimephales promelas (flow-through) Source: ECHA)           (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)         Image: Comparison of the species: Distribution of the species: Pimephales promelas (flow-through) Source: ECHA)           LC50 - Fish [1]         0,619 - 0,796 mg/l (Exposure time: 96 h - Species: Distribution of the species: Comparison of the species: Comp	LC50 - Fish [1]				
EC50 72h - Algae [1]       > 500 mg/l (Species: Desmodesmus subspicatus)         1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyli-deno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)         LC50 - Fish [1]       0,452 mg/l Wolf, 1996d-27682         LC50 - Other aquatic organisms [1]       > 0,14 mg/l REACH DOSSIER Pimephales promelas         EC50 - Crustacea [2]       260 µg/l REACH Dossier         EC50 - Other aquatic organisms [1]       0,131 mg/l REACH Dossier         EC50 - Other aquatic organisms [1]       0,131 mg/l REACH Dossier         EC50 - Other aquatic organisms [1]       0,131 mg/l REACH Dossier         EC50 - Other aquatic organisms [1]       0,131 mg/l REACH Dossier         EC50 - Stish [1]       0,138 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)         (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)       LC50 - Fish [1]         LC50 - Fish [1]       0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)         LC50 - Fish [2]       35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)         LInalyl acetate (115-95-7)       LC50 - Fish [1]         LC50 - Fish [1]       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         Linalool (78-70-6)       Eco 96h - Algae [1]	LC50 - Fish [2]				
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylinero[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)LC50 - Fish [1]0,452 mg/l Wolf, 1996d-27682LC50 - Other aquatic organisms [1]> 0,14 mg/l REACH DOSSIER Pimephales promelasEC50 - Crustacea [2]260 µg/l REACH DossierEC50 - Other aquatic organisms [1]0,131 mg/l REACH DossierETHYLENE DODECANEDIOATE (54982-83-1)0,88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)1LC50 - Fish [1]0,619 - 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)Linalyl acetate (115-95-7)1LC50 - Fish [1]11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linalool (78-70-6)5EC50 96h - Algae [1]88,3 mg/l (Species: Desmodesmus subspicatus)	EC50 - Crustacea [1]	> 1,6 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
LC50 - Fish [1]0,452 mg/l Wolf, 1996d-27682LC50 - Other aquatic organisms [1]> 0,14 mg/l REACH DOSSIER Pimephales promelasEC50 - Crustacea [2]260 µg/l REACH DossierEC50 - Other aquatic organisms [1]0,131 mg/l REACH DossierEC50 - Other aquatic organisms [1]0,131 mg/l REACH DossierEC50 - Fish [1]0,88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)LC50 - Fish [1]0,619 - 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)Linalyl acetate (115-95-7)11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linalool (78-70-6)11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)EC50 96h - Algae [1]88,3 mg/l (Species: Desmodesmus subspicatus)	EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)			
LC50 - Other aquatic organisms [1]       > 0,14 mg/l REACH DOSSIER Pimephales promelas         EC50 - Crustacea [2]       260 µg/l REACH Dossier         EC50 - Other aquatic organisms [1]       0,131 mg/l REACH Dossier         EC50 - Other aquatic organisms [1]       0,131 mg/l REACH Dossier         ETHYLENE DODECANEDIOATE (54982-83-1)       0,88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)         (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)       0,619 – 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)         LC50 - Fish [1]       0,619 – 0,796 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)         LC50 - Fish [2]       35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)         Linalyl acetate (115-95-7)       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         Linalool (78-70-6)       11 mg/l (Species: Desmodesmus subspicatus)	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylir	ndeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)			
EC50 - Crustacea [2]260 µg/l REACH DossierEC50 - Other aquatic organisms [1]0,131 mg/l REACH DossierETHYLENE DODECANEDIOATE (54982-83-1)0,88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)LC50 - Fish [1]0,88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)LC50 - Fish [1]0,619 - 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)Linalyl acetate (115-95-7)LC50 - Fish [1]11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linalool (78-70-6)EC50 96h - Algae [1]88,3 mg/l (Species: Desmodesmus subspicatus)	LC50 - Fish [1]	0,452 mg/l Wolf, 1996d-27682			
EC50 - Other aquatic organisms [1]       0,131 mg/l REACH Dossier         ETHYLENE DODECANEDIOATE (54982-83-1)	LC50 - Other aquatic organisms [1] > 0,14 mg/l REACH DOSSIER Pimephales promelas				
ETHYLENE DODECANEDIOATE (54982-83-1)         LC50 - Fish [1]       0.88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)         (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)         LC50 - Fish [1]       0.619 - 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)         LC50 - Fish [2]       35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)         LC50 - Fish [2]       35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)         LC50 - Fish [1]       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         Linalol (78-70-6)       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         Linalool (78-70-6)       88,3 mg/l (Species: Desmodesmus subspicatus)	EC50 - Crustacea [2] 260 µg/l REACH Dossier				
LC50 - Fish [1]0,88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)LC50 - Fish [1]0,619 - 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)Linalyl acetate (115-95-7)LC50 - Fish [1]11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linalool (78-70-6)EC50 96h - Algae [1]88,3 mg/l (Species: Desmodesmus subspicatus)	EC50 - Other aquatic organisms [1] 0,131 mg/l REACH Dossier				
ECHA)         (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)         LC50 - Fish [1]       0,619 – 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)         LC50 - Fish [2]       35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)         Linalyl acetate (115-95-7)       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         LC50 - Fish [1]       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         Linalool (78-70-6)       EC50 96h - Algae [1]         88,3 mg/l (Species: Desmodesmus subspicatus)       Base of the species: Cyprinus carpio [flow-through] Source: ECHA)	ETHYLENE DODECANEDIOATE (54982-83-1)				
LC50 - Fish [1]0,619 – 0,796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)LC50 - Fish [2]35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)Linalyl acetate (115-95-7)11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)LC50 - Fish [1]11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)Linalool (78-70-6)EC50 96h - Algae [1]88,3 mg/l (Species: Desmodesmus subspicatus)	LC50 - Fish [1]				
Source: EPA)       LC50 - Fish [2]       35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)       Linalyl acetate (115-95-7)       LC50 - Fish [1]       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)       Linalool (78-70-6)       EC50 96h - Algae [1]     88,3 mg/l (Species: Desmodesmus subspicatus)	(R)-p-mentha-1,8-diene; d-limonene (5989-27-	5)			
Linalyl acetate (115-95-7)         LC50 - Fish [1]       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         Linalool (78-70-6)         EC50 96h - Algae [1]       88,3 mg/l (Species: Desmodesmus subspicatus)	LC50 - Fish [1]				
LC50 - Fish [1]       11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)         Linalool (78-70-6)         EC50 96h - Algae [1]       88,3 mg/l (Species: Desmodesmus subspicatus)	LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)			
Linalool (78-70-6)       EC50 96h - Algae [1]       88,3 mg/l (Species: Desmodesmus subspicatus)	Linalyl acetate (115-95-7)				
EC50 96h - Algae [1]     88,3 mg/l (Species: Desmodesmus subspicatus)	LC50 - Fish [1]	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through] Source: ECHA)			
	Linalool (78-70-6)				
Nerol (106-25-2)	EC50 96h - Algae [1] 88,3 mg/l (Species: Desmodesmus subspicatus)				
	Nerol (106-25-2)				
LC50 - Fish [1] 20,3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)	LC50 - Fish [1]	20,3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)			
citral (5392-40-5)					
EC50 - Crustacea [1] 7 mg/l (Exposure time: 48 h - Species: Daphnia magna)	EC50 - Crustacea [1]	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
EC50 72h - Algae [1] 16 mg/l (Species: Desmodesmus subspicatus)	EC50 72h - Algae [1]	16 mg/l (Species: Desmodesmus subspicatus)			

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EC50 96h - Algae [1]       19 mg/l (Species: Desmodesmus sub         .alphaPinene (80-56-8)         LC50 - Fish [1]       0,28 mg/l (Exposure time: 96 h - Species)         EC50 - Crustacea [1]       41 mg/l (Exposure time: 48 h - Species)	ospicatus)	
LC50 - Fish [1] 0,28 mg/l (Exposure time: 96 h - Spec		
EC50 - Crustacea [1] 41 mg/l (Exposure time: 48 h - Specie	cies: Pimephales promelas [static] Source: IUCLID)	
	es: Daphnia magna)	
12.2. Persistence and degradability		
CAPRI NEROLI #EU55629F		
Persistence and degradability Not established.		
12.3. Bioaccumulative potential		
CAPRI NEROLI #EU55629F		
Bioaccumulative potential Not established.		
Bis(2-ethylhexyl) adipate (103-23-1)		
BCF - Fish [1] (27 dimensionless)		
Partition coefficient n-octanol/water (Log Pow)8,94 (at 25 °C)		
Ethylene brassylate (105-95-3)		
Partition coefficient n-octanol/water (Log Pow)4,3 (at 25 °C (at pH 6.4-7)		
Petitgrain oil (8014-17-3)		
Partition coefficient n-octanol/water (Log Pow)3,38 - 4,88		
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (H	HHCB) (1222-05-5)	
BCF - Fish [1] (1618 dimensionless (whole body w.w	w.)	
Partition coefficient n-octanol/water (Log Pow)5,3 (at 25 °C (at pH 7)		
1-[(2-tert-butyl)cyclohexyloxy]-2-butanol (139504-68-0)		
BCF - Fish [1] (173 dimensionless)		
ETHYLENE DODECANEDIOATE (54982-83-1)		
BCF - Fish [1] (156 dimensionless (whole body w.w.	.)	
Partition coefficient n-octanol/water (Log Pow)3,65 (at 20 °C (at pH >=7.39-<=7.99)		
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)		
Partition coefficient n-octanol/water (Log Pow)4,38 (at 37 °C (at pH 7.2)		
Oranger Crystals (93-08-3)		
Partition coefficient n-octanol/water (Log Pow)     2,678 (at 25 °C)		
Neroline Crystals (93-18-5)		
Partition coefficient n-octanol/water (Log Pow)       3,747 (at 25 °C (at pH 6.23))		
Linalyl acetate (115-95-7)		
Partition coefficient n-octanol/water (Log Pow)   3,9 (at 25 °C)		
Nerol (106-25-2)		
Partition coefficient n-octanol/water (Log Pow)       2,76 (at 30 °C (at pH 6.5)		

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

citral (5392-40-5)		
Partition coefficient n-octanol/water (Log Pow)     2,76 (at 25 °C)		
.alphaPinene (80-56-8)		
Partition coefficient n-octanol/water (Log Pow) 4,1		

**12.4.** Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information

: Avoid release to the environment.

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

Waste treatment methods Product/Packaging disposal recommendations Ecology - waste materials HP Code	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Dispose in a safe manner in accordance with local/national regulations.</li> <li>Avoid release to the environment.</li> <li>HP3 - "Flammable:" <ul> <li>flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point &gt; 55 °C and ≤ 75 °C;</li> <li>flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;</li> <li>flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;</li> <li>flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;</li> <li>water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;</li> <li>other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.</li> <li>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.</li> <li>HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.</li> </ul> </li> </ul>
	HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information				
In accordance with ADR / IMDG / IATA / ADN / RID				
ADR IMDG IATA ADN RID				
14.1. UN number or ID number				

UN 3082

UN 3082

UN 3082

UN 3082

UN 3082

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN)	Environmentally hazardous substance, liquid, n.o.s. (HEXAMETHYLINDANOPY RAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN)
Transport document descr	iption			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (HEXAMETHYLINDANOPY RAN), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPY RAN), 9, III
14.3. Transport hazard o	class(es)	-		
9	9	9	9	9
14.4. Packing group				
III	111	111	111	III
14.5. Environmental haz	ards	1	1	1
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary informatic	on available			
14.6. Special precaution	s for user			
Verland transport	5 101 0301			

#### **Overland transport** Classification code (ADR) : M6 Special provisions (ADR) : 274, 335, 375, 601 : 51 Limited quantities (ADR) Excepted quantities (ADR) : E1 : P001, IBC03, LP01, R001 Packing instructions (ADR) : PP1 Special packing provisions (ADR) Mixed packing provisions (ADR) MP19 : Portable tank and bulk container instructions (ADR) : T4 Portable tank and bulk container special provisions : TP1, TP29 (ADR) Tank code (ADR) : LGBV Vehicle for tank carriage : AT Transport category (ADR) : 3 Special provisions for carriage - Packages (ADR) : V12 Special provisions for carriage - Loading, unloading : CV13

and handling (ADR)Hazard identification number (Kemler No.)Crange plates:



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	202 29 1 10galalion (207 2020/010
Tunnel restriction code (ADR)	: -
EAC code	: •3Z
Transport by sea	
Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L
Inland waterway transport	
Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: M6
Special provisions (RID)	274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions	: TP1, TP29
(RID)	
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading	: CW13, CW31
and handling (RID)	
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

# 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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# **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)				
Reference code	Applicable on	Entry title or description		
3(a)	(R)-p-mentha-1,8-diene; d-limonene ; Orange oil ; Lime oil distilled ; .alpha Pinene ; dipentene; limonene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F		
3(b)	CAPRI NEROLI #EU55629F ; Hexyl cinnamic aldehyde ; Petitgrain oil ; (R)-p- mentha-1,8-diene; d- limonene ; Linalyl acetate ; Linalool ; Orange oil ; Nerol ; citral ; Lime oil distilled ; dipentene; limonene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10		
3(c)	CAPRI NEROLI #EU55629F ; Hexyl cinnamic aldehyde ; Ethylene brassylate ; Petitgrain oil ; 1,3,4,6,7,8- hexahydro-4,6,6,7,8,8- hexamethylindeno[5,6- c]pyran; galaxolide; (HHCB) ; 1-[(2-tert- butyl)cyclohexyloxy]-2- butanol ; ETHYLENE DODECANEDIOATE ; (R)-p-mentha-1,8-diene; d-limonene ; Orange oil ; Lime oil distilled ; dipentene; limonene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1		
40.	(R)-p-mentha-1,8-diene; d-limonene ; Orange oil ; Lime oil distilled ; .alpha Pinene ; dipentene; limonene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.		

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

# POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

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### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

# 15.1.2. National regulations

#### Germany

Water hazard class (WGK) Storage class (LGK, TRGS 510)	-	nly hazardous t n-combustible	•	cation accordir	ng to AwSV, Annex 1).		
Joint storage table	EGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A		
	LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B		
	LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C		
	LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B		
	LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13		
Joint storage not permitted for Joint storage with restrictions permitted for Joint storage permitted for	<ul> <li>: LGK 1, LGK 6.2, LGK 7.</li> <li>: LGK 4.1A, LGK 4.3, LGK 5.1C.</li> <li>: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGH 10-13.</li> </ul>						
Hazardous Incident Ordinance (12. BImSchV)		ct of the Hazar	dous Incident Or	rdinance (12. B	ImSchV)		
Netherlands							
ABM category	: A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment						
SZW-lijst van kankerverwekkende stoffen	: Petitgrain oil,Orange oil are listed						
SZW-lijst van mutagene stoffen	: Petitgrain oil,Orange oil are listed						
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed						
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the	components ar	e listed				
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed						
Denmark							
Classification remarks	: Emergency	management g	uidelines for the	storage of flam	mable liquids must be followe		
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product						
Switzerland							
Storage class (LK)	: LK 10/12 - L	iquids					
15.2. Chemical safety assessment							

No chemical safety assessment has been carried out

# SECTION 16: Other information Other information : None.

Full text of H- and EUH-statements:			
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		

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Full text of H- and EUH-statements:			
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
H226	Flammable liquid and vapour.		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H319	Causes serious eye irritation.		
H360FD	May damage fertility. May damage the unborn child.		
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.		
Repr. 1A	Reproductive toxicity, Category 1A		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
Skin Sens. 1	Skin sensitisation, Category 1		
Skin Sens. 1B	Skin sensitisation, category 1B		

# The classification complies with



Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.