

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.01.2019

Version number 2.02

Revision: 24.01.2019

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

- **Product identifier**
  - **Trade name: Soap fragrance oil tangerine**
  - **Article number: 5806110**
  - **UFI: GQ00-709C-1000-4FM7**
  - **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
  - **Application of the substance / the mixture** Preparation of cosmetics
  - **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
CREARTEC trend-design-gmbh  
Lauenbühlstr. 59  
D-88161 LINDENBERG  
DEUTSCHLAND
  - **Further information obtainable from:**  
Abteilung Produktsicherheit  
info@creartec.info
  - **Emergency telephone number:**  
During opening hours: +49 8381 80740-0  
Mon -Thu from 08.30 to 16.30  
and Fri from 08.30 to 12.30
- Emergency calls: +49 151 44613864 (24h)

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



GHS09 environment

Aquatic Acute 1    H400 Very toxic to aquatic life.  
Aquatic Chronic 1    H410 Very toxic to aquatic life with long lasting effects.

GHS07

Skin Irrit. 2      H315 Causes skin irritation.  
Eye Irrit. 2      H319 Causes serious eye irritation.  
Skin Sens. 1      H317 May cause an allergic skin reaction.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02



GHS07



GHS09

- **Signal word** Warning

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**Hazard-determining components of labelling:**

(R)-p-mentha-1,8-diene

Linalool

dl-Citronellol

alpha-Hexylcinnamaldehyde

2-methylundecanal

3-Methyl-5-cyclopentadecen-1-one

Citral

omega-Pentadecalactone

**Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

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

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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 regulations.

**Labelling of packages where the contents do not exceed 125 ml**
**Hazard pictograms**


GHS02



GHS07



GHS09

**Signal word Warning**
**Hazard-determining components of labelling:**

(R)-p-mentha-1,8-diene

Linalool

dl-Citronellol

alpha-Hexylcinnamaldehyde

2-methylundecanal

3-Methyl-5-cyclopentadecen-1-one

Citral

omega-Pentadecalactone

**Hazard statements**

H317 May cause an allergic skin reaction.

**Precautionary statements**

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

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves.

P272 Contaminated work clothing should not be allowed out of the workplace.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards**
**Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

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### 3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	> 25 – ≤ 50%
CAS: 78-70-6 EINECS: 201-134-4	Linalool ⚠ Skin Sens. 1B, H317	> 2.5 – ≤ 10%
CAS: 104-67-6 EINECS: 203-225-4	gamma-Undecalactone Aquatic Chronic 3, H412	> 0 – ≤ 10%
CAS: 88-41-5 EINECS: 201-828-7	2-tert-butylcyclohexyl acetate ⚠ Aquatic Chronic 2, H411	> 0 – ≤ 10%
CAS: 18479-58-8 EINECS: 242-362-4	Dihydromyrcenol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	> 0 – ≤ 10%
CAS: 37677-14-8 EINECS: 253-617-4	Isohexenyl cyclohexenyl carboxaldehyde ⚠ Aquatic Chronic 2, H411	> 0 – ≤ 10%
CAS: 8000-41-7 EINECS: 232-268-1	Terpineol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	> 0 – ≤ 10%
CAS: 111879-80-2 ELINCS: 422-320-3	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-one a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	> 0 – ≤ 10%
CAS: 106-22-9 EINECS: 203-375-0	dl-Citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	> 2.5 – ≤ 10%
CAS: 101-86-0 EINECS: 202-983-3	alpha-Hexylcinnamaldehyde ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	> 2.5 – ≤ 10%
CAS: 124-19-6 EINECS: 204-688-5	nonanal ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Aquatic Chronic 3, H412	≤ 2.5%
CAS: 112-31-2 EINECS: 203-957-4	decanal ⚠ Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≤ 2.5%
CAS: 14901-07-6 EINECS: 238-969-9	beta-Ionone ⚠ Aquatic Chronic 2, H411	≤ 2.5%
CAS: 110-41-8 EINECS: 203-765-0	2-methylundecanal ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≤ 2.5%
CAS: 93-18-5 EINECS: 202-226-7	beta-Naphthyl ethyl ether ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 2.5%
CAS: 63314-79-4 ELINCS: 429-900-5	3-Methyl-5-cyclopentadecen-1-one ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	≤ 2.5%
CAS: 124-13-0 EINECS: 204-683-8	octanal ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 2.5%
CAS: 5392-40-5 EINECS: 226-394-6	Citral ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≤ 2.5%
CAS: 123-68-2 EINECS: 204-642-4	allyl hexanoate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 3, H412	≤ 2.5%
CAS: 106-02-5 EINECS: 203-354-6	omega-Pentadecalactone ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	≤ 2.5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

· **Description of first aid measures**· **General information:** Immediately remove any clothing soiled by the product.· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.

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*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes and skin.*

· **Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

· **Protection of hands:**



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

· **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

· **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

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## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Light orange colour
<b>Odour:</b>	Fruit-like
<b>Odour threshold:</b>	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Undetermined.

· **Flash point:** 59 °C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 190 °C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Not determined.

· **Explosion limits:**

<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	11.6 Vol %

· **Vapour pressure at 20 °C:** 2.3 hPa

· **Density at 20 °C:** 0.906 g/cm<sup>3</sup>

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

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- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** < 11.5 %
  - Solids content:** 0.6 %
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· <b>LD/LC50 values relevant for classification:</b>		
<b>5989-27-5 (R)-p-mentha-1,8-diene</b>		
Oral	LD50	4,400 mg/kg bw (rat)
<b>78-70-6 Linalool</b>		
Oral	LD50	2,790 mg/kg bw (rat)
Dermal	LD50	5,610 mg/kg bw (rabbit)
<b>106-22-9 dl-Citronellol</b>		
Oral	LD50	3,450 mg/kg bw (rat)
Dermal	LD50	2,650 mg/kg bw (rabbit)
<b>112-31-2 decanal</b>		
Oral	LD50	3,730 mg/kg bw (rat)
Dermal	LD50	5,040 mg/kg bw (rabbit)
<b>124-13-0 octanal</b>		
Oral	LD50	5,630 mg/kg bw (rat)
Dermal	LD50	6,350 mg/kg bw (rabbit)
<b>5392-40-5 Citral</b>		
Oral	LD50	4,960 mg/kg bw (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· <b>European waste catalogue</b>	
16 03 05*	organic wastes containing hazardous substances
HP 3	Flammable
HP 4	Irritant - skin irritation and eye damage
HP 13	Sensitising
HP 14	Ecotoxic

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA**
- **UN proper shipping name**
- **ADR**
- **IMDG**
- **IATA**
- **Transport hazard class(es)**
- **ADR, IMDG**

UN1993

1993 FLAMMABLE LIQUID, N.O.S. (DIPENTENE), ENVIRONMENTALLY HAZARDOUS  
FLAMMABLE LIQUID, N.O.S. (DIPENTENE, 2-tert-butylcyclohexyl acetate), MARINE POLLUTANT  
FLAMMABLE LIQUID, N.O.S. (DIPENTENE)



- **Class**
- **Label**

3 Flammable liquids.

3

- **IATA**



- **Class**

3 Flammable liquids.

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· <b>Label</b>	3
· <b>Packing group</b>	III
· <b>ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	Product contains environmentally hazardous substances: (R)-p-mentha-1,8-diene
· <b>Marine pollutant:</b>	Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Flammable liquids.
· <b>Danger code (Kemler):</b>	30
· <b>EMS Number:</b>	F-E, S-E
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
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· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	D/E
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· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (DIPENTENE), 3, III, ENVIRONMENTALLY HAZARDOUS

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
E1 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H226 Flammable liquid and vapour.  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.
- **Department issuing SDS:** Abteilung Produktsicherheit
- **Contact:** Dr. B. Gangnus

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**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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