

Bergamot Waters CC-13230

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830 Issue date: 5/5/2020

CandleCraft

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

1.1. Product identifier

Product form : Mixture
Product name : Bergamot Waters
UFI : 57G6-T43R-Y00W-5QDQ
Product code : CC-13230
Type of product : Perfumes, Fragrances
Product group : Finished Good

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Industrial/Professional use spec : For professional use only
Industrial
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

Candle Craft
Weiherwiese 10
65510 Idstein - Germany
T 49-6126-9363 -0
info@candlecraft.de - www.candlecraft.de

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 sensitization, Category 1 H317
Aspiration hazard Category 1 H304
Hazardous to the aquatic environment - Chronic Hazard Category 2 H411
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS08

GHS09

Signal word (CLP)

: Danger

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| | |
|--------------------------------|---|
| Hazardous ingredients | : Amyl cinnamic aldehyde; UNDECYLENAL; Cyclamal; 2-Hydroxybenzoic acid, benzyl ester; Citral; Bergamot oil; Clary sage oil; Citronellol Pure; Geraniol; Hydroxy; Iso E Super; Floralozone; Linalool; Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0); Hexyl cinnamic aldehyde; Helional; Vertenex; Hexyl salicylate; Orange oil |
| Hazard statements (CLP) | : 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. 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. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. |

2.3. Other hazards

No additional information available

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] |
|---|---|------------------|--|
| Vertenex | (CAS-No.) 32210-23-4 (EC-No.) 250-954-9 (REACH-no) 01-2119976286-24 | 5 – 10 | Skin Sens. 1B, H317 |
| Bergamot oil | (CAS-No.) 8007-75-8 (EC-No.) 289-612-9;616-915-9 | 4.75 – 9.5 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Eye Irrit. 2, H319 |
| Hexyl cinnamic aldehyde | (CAS-No.) 101-86-0 (EC-No.) 202-983-3 (REACH-no) 01-2119533092-50 | 4.13 – 8.26 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Orange oil | (CAS-No.) 8008-57-9 (EC-No.) 232-433-8 (REACH-no) 01-2119493353-35 | 3.015 – 6.03 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Verdox | (CAS-No.) 88-41-5 (EC-No.) 201-828-7 (REACH-no) 01-2119970713-33 | 2.5 – 5 | Aquatic Chronic 2, H411 |
| 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol | (CAS-No.) 63500-71-0 (EC-No.) 405-040-6 (EC Index-No.) 603-101-00-3 | 1.25405 – 2.5081 | Eye Irrit. 2, H319 |

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| | | | |
|-------------------------------------|---|---------------------|--|
| Citronellol Pure | (CAS-No.) 106-22-9 (EC-No.) 203-375-0 (REACH-no) 01-2119453995-23 | 1 – 2 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Ethylene brassylate | (CAS-No.) 105-95-3 (EC-No.) 203-347-8 (REACH-no) 01-2119967772-24 | 1 – 2 | Aquatic Chronic 2, H411 |
| Amyl salicylate | (CAS-No.) 2050-08-0 (EC-No.) 218-080-2 (REACH-no) 01-2119969444-27 | 0.975 – 1.95 | Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410 |
| Linalool | (CAS-No.) 78-70-6 (EC-No.) 201-134-4 (EC Index-No.) 603-235-00-2 (REACH-no) 01-2119474016-42 | 0.975 – 1.95 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Cyclamal | (CAS-No.) 103-95-7 (EC-No.) 203-161-7 (REACH-no) 01-2119970582-32 | 0.89925 – 1.7985 | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| Iso E Super | (CAS-No.) 54464-57-2 (EC-No.) 259-174-3 (REACH-no) 01-2119489989-04 | 0.8 – 1.6 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Amyl cinnamic aldehyde | (CAS-No.) 122-40-7 (EC-No.) 204-541-5;453-530-3 | 0.65 – 1.3 | Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| Geraniol | (CAS-No.) 106-24-1 (EC-No.) 203-377-1 (REACH-no) 01-2119552430-49 | 0.5 – 1 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 |
| beta-Ionone | (CAS-No.) 14901-07-6 (EC-No.) 238-969-9 | 0.5 – 1 | Aquatic Chronic 2, H411 |
| Hydroxy | (CAS-No.) 107-75-5 (EC-No.) 203-518-7 (REACH-no) 01-2119973482-31 | 0.475 – 0.95 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Helional | (CAS-No.) 1205-17-0 (EC-No.) 214-881-6 (REACH-no) 01-2120740119-58 | 0.25 – 0.5 | Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| Floralozone | (CAS-No.) 67634-15-5 (EC-No.) 266-819-2 (REACH-no) 01-2120758796-34 | 0.16195 – 0.3239 | Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Skin Sens. 1B, H317 |
| Citral | (CAS-No.) 5392-40-5 (EC-No.) 226-394-6 (EC Index-No.) 605-019-00-3 (REACH-no) 01-2119462829-23 | 0.15 – 0.3 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| Clary sage oil | (CAS-No.) 8016-63-5 (EC-No.) 283-911-8;616-984-5 | 0.15 – 0.3 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| 2-Hydroxybenzoic acid, benzyl ester | (CAS-No.) 118-58-1 (EC-No.) 204-262-9 (REACH-no) 01-2119969442-31 | 0.075 – 0.15 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| Hexyl salicylate | (CAS-No.) 6259-76-3 (EC-No.) 228-408-6 | 0.0555 – 0.111 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410 |
| UNDECYLENAL | (CAS-No.) 112-45-8 (EC-No.) 203-973-1 (REACH-no) 01-2119990746-20 | 0.05 – 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |

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| | | | |
|---|--|------------|--|
| Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) | (CAS-No.) 24720-09-0 (EC-No.) 246-430-4 | 0.05 – 0.1 | Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 |
|---|--|------------|--|

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Call a physician immediately. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : 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 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 | : Do not induce vomiting. Call a physician immediately. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Eye irritation. |
| Symptoms/effects after ingestion | : Risk of lung edema. |

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 | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

5.2. Special hazards arising from the substance or mixture

| | |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. 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. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

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. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

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6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures | : 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. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------|---|
| Storage conditions | : Store locked up. Store in a well-ventilated place. Keep cool. |
|--------------------|---|

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Citral (5392-40-5) | |
|--|---|
| Belgium - Occupational Exposure Limits | |
| Limit value (mg/m ³) | 32 mg/m ³ (vapor and aerosol) |
| Limit value (ppm) | 5 ppm (vapor and aerosol) |
| OEL chemical category (BE) | Skin |
| Ireland - Occupational Exposure Limits | |
| OEL (8 hours ref) (ppm) | 5 ppm |
| OEL (15 min ref) (ppm) | 15 ppm (calculated) |
| Poland - Occupational Exposure Limits | |
| NDS (mg/m ³) | 27 mg/m ³ |
| NDSch (mg/m ³) | 54 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA (ppm) | 5 ppm |
| OEL chemical category (PT) | Sensitizer, skin - potential for cutaneous exposure |
| Spain - Occupational Exposure Limits | |
| VLA-ED (ppm) | 5 ppm (inhalable fraction and vapor) |
| OEL chemical category (ES) | Sensitizer, skin - potential for cutaneous absorption |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH TWA (ppm) | 5 ppm (inhalable fraction and vapor) |
| ACGIH chemical category | dermal sensitizer, Skin - potential significant contribution to overall exposure by the cutaneous route, Not Classifiable as a Human Carcinogen |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------------------|
| Physical state | : Liquid |
| Color | : light yellow. amber. |
| Odor | : characteristic. |
| Odor threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 93 °C (closed cup) ASTM D7094 |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : ≈ 0.9 |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Explosion limits | : No data available |

9.2. Other information

No additional information available

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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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Amyl cinnamic aldehyde (122-40-7)

| | |
|--------------------|--------------|
| LD50 oral rat | 3730 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

UNDECYLENAL (112-45-8)

| | |
|---------------|----------|
| LD50 oral rat | > 5 g/kg |
|---------------|----------|

Cyclamal (103-95-7)

| | |
|---------------|------------------------|
| LD50 oral rat | 3810 mg/kg |
| LD50 oral | 3810 mg/kg body weight |

2-Hydroxybenzoic acid, benzyl ester (118-58-1)

| | |
|--------------------|------------------------|
| LD50 oral rat | 2227 mg/kg |
| LD50 oral | 2200 mg/kg body weight |
| LD50 dermal rabbit | > 5000 mg/kg |

Amyl salicylate (2050-08-0)

| | |
|--------------------|------------------------|
| LD50 oral rat | 4100 mg/kg |
| LD50 oral | 2000 mg/kg body weight |
| LD50 dermal rabbit | > 5000 mg/kg |

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Citral (5392-40-5)

| | |
|--------------------|------------------------|
| LD50 oral rat | 4960 mg/kg |
| LD50 dermal rabbit | 2250 mg/kg |
| LD50 dermal | 2250 mg/kg body weight |

Bergamot oil (8007-75-8)

| | |
|---------------|-------------|
| LD50 oral rat | 11520 mg/kg |
|---------------|-------------|

Clary sage oil (8016-63-5)

| | |
|---------------|------------|
| LD50 oral rat | 5600 mg/kg |
|---------------|------------|

Citronellol Pure (106-22-9)

| | |
|--------------------|------------------------|
| LD50 oral rat | 3450 mg/kg |
| LD50 oral | 3450 mg/kg body weight |
| LD50 dermal rabbit | 2650 mg/kg |
| LD50 dermal | 2650 mg/kg body weight |

Ethylene brassylate (105-95-3)

| | |
|--------------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

Geraniol (106-24-1)

| | |
|--------------------|------------------------|
| LD50 oral rat | 3600 mg/kg |
| LD50 oral | 3600 mg/kg body weight |
| LD50 dermal rabbit | > 5 g/kg |

Hydroxy (107-75-5)

| | |
|---------------|----------|
| LD50 oral rat | > 5 g/kg |
|---------------|----------|

beta-Ionone (14901-07-6)

| | |
|---------------|------------|
| LD50 oral rat | 4590 mg/kg |
|---------------|------------|

Linalool (78-70-6)

| | |
|-----------|------------------------|
| LD50 oral | 2790 mg/kg body weight |
|-----------|------------------------|

Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) (24720-09-0)

| | |
|-------------|------------------------|
| LD50 oral | 1670 mg/kg body weight |
| LD50 dermal | 2900 mg/kg body weight |

Hexyl cinnamic aldehyde (101-86-0)

| | |
|----------------------------|------------------------|
| LD50 oral rat | 3100 mg/kg |
| LD50 oral | 3100 mg/kg body weight |
| LD50 dermal rabbit | > 3000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5 mg/l/4h |

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| Vertenex (32210-23-4) | |
|-----------------------|------------------------|
| LD50 oral rat | 5 g/kg |
| LD50 oral | 3370 mg/kg body weight |
| LD50 dermal rabbit | > 5000 mg/kg |

| Hexyl salicylate (6259-76-3) | |
|------------------------------|----------|
| LD50 oral rat | > 5 g/kg |

| Verdox (88-41-5) | |
|------------------|------------------------|
| LD50 oral rat | 4600 mg/kg |
| LD50 oral | 4600 mg/kg body weight |

| Orange oil (8008-57-9) | |
|------------------------|--------------|
| LD50 oral rat | 4400 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - general | : Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

| 2-Hydroxybenzoic acid, benzyl ester (118-58-1) | |
|--|--|
| LC50 fish 1 | 1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static]) |

| Citral (5392-40-5) | |
|-------------------------|---|
| EC50 Daphnia 1 | 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h algae [mg/l] 1 | 16 mg/l (Species: Desmodesmus subspicatus) |
| EC50 96h algae (1) | 19 mg/l (Species: Desmodesmus subspicatus) |

| Geraniol (106-24-1) | |
|---------------------|---|
| LC50 fish 1 | 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static]) |

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Linalool (78-70-6)

EC50 96h algae (1)

88.3 mg/l (Species: *Desmodemus subspicatus*)

Vertenex (32210-23-4)

LC50 fish 1

8.6 mg/l (Exposure time: 96 h - Species: *Cyprinus carpio* [semi-static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Citral (5392-40-5)

Partition coefficient n-octanol/water (Log Pow)

2.76 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : UN 3082
UN-No. (IMDG) : UN 3082
UN-No. (IATA) : UN 3082
UN-No. (ADN) : UN 3082
UN-No. (RID) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.
Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID) : Not regulated
Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bergamot oil), 9, III, (-)
Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bergamot oil), 9, III, MARINE POLLUTANT
Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Bergamot oil), 9, III
Transport document description (ADN) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bergamot oil), 9, III

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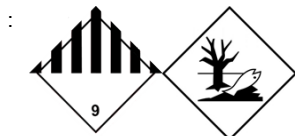
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14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9
Hazard labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9
Hazard labels (IMDG) : 9



IATA

Transport hazard class(es) (IATA) : 9
Hazard labels (IATA) : 9



ADN

Transport hazard class(es) (ADN) : 9
Hazard labels (ADN) : 9



RID

Transport hazard class(es) (RID) : Not regulated

14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : Not regulated

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

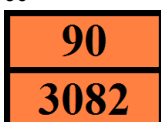
Classification code (ADR) : M6
Special provision (ADR) : 274, 335, 375, 601
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19

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Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP29
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 and handling (ADR) : CV13
Hazard identification number (Kemler No.) : 90
Orange plates :



Tunnel restriction code (ADR) : -
EAC : •3Z

Transport by sea

Special provision (IMDG) : 274, 335, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
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 provision (IATA) : A97, A158, A197
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6
Special provision (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| Reference code | Applicable |
|----------------|---------------------------|
| 3(a) | Bergamot oil ; Orange oil |

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| | |
|------|--|
| 3(b) | Bergamot Waters CC-13230 ; Amyl cinnamic aldehyde ; UNDECYLENAL ; Cyclamal ; 2-Hydroxybenzoic acid, benzyl ester ; Amyl salicylate ; Citral ; Bergamot oil ; Clary sage oil ; Citronellol Pure ; Geraniol ; Hydroxy ; Iso E Super ; Floralozone ; Linalool ; Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) ; Hexyl cinnamic aldehyde ; Helional ; Vertenex ; Hexyl salicylate ; 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol ; Orange oil |
| 3(c) | Bergamot Waters CC-13230 ; Amyl cinnamic aldehyde ; UNDECYLENAL ; Cyclamal ; 2-Hydroxybenzoic acid, benzyl ester ; Amyl salicylate ; Bergamot oil ; Clary sage oil ; Ethylene brassylate ; Iso E Super ; Floralozone ; beta-Ionone ; Hexyl cinnamic aldehyde ; Helional ; Hexyl salicylate ; Verdox ; Orange oil |
| 40. | Bergamot oil ; Orange oil |

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Bergamot oil, Clary sage oil, Floralozone, Orange oil are listed

SZW-lijst van mutagene stoffen : Bergamot oil, Clary sage oil, Floralozone, Orange oil are listed

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Ontwikkeling

Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BLV | Biological limit value |
| CAS-No. | Chemical Abstract Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| EC-No. | European Community number |

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| | |
|-------|---|
| EN | European Standard |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |
| WGK | Water Hazard Class |

| Full text of H- and EUH-phrases: | |
|----------------------------------|--|
| 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 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization, Category 1 |
| Skin Sens. 1B | Skin sensitization, Category 1B |
| 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. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye 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. |

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| | |
|------|--|
| H412 | Harmful to aquatic life with long lasting effects. |
|------|--|

SDS EU (REACH Annex II)

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.