



## Safety Data Sheet

according to UK REACH Regulation

### Aroma - Orange

Revision date: 12.12.2022

Product code: c6519\_sd

Page 2 of 10

#### Pictograms:



#### Hazard statements

|      |  |
|------|--|
| H304 | May be fatal if swallowed and enters airways.    |
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H411 | Toxic to aquatic life with long lasting effects. |

#### Precautionary statements

|           |  |
|-----------|--|
| P273      | Avoid release to the environment.                      |
| P280      | Wear protective gloves/eye protection.                 |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor. |
| P302+P352 | IF ON SKIN: Wash with plenty of water.                 |
| P331      | Do NOT induce vomiting.                                |
| P391      | Collect spillage.                                      |

#### Special labelling of certain mixtures

|        |  |
|--------|--|
| EUH208 | Contains 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, Pin-2(10)-ene, p-Mentha-1,4(8)-diene, [(2E)-3,7-dimethylocta-2,6-dienyl] acetate, 2-Methylundecanal. May produce an allergic reaction. |
|--------|--|

#### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

fragrances (Linalool, Limonene, Citral, Citronellol, Geraniol)

#### Hazardous components

| CAS No    | Chemical name  |              |                  | Quantity   |
|-----------|--|--------------|------------------|------------|
|           | EC No  | Index No     | REACH No         |            |
|           | Classification (GB CLP Regulation)   |              |                  |            |
| 78-70-6   | Linalool   |              |                  | 5 - < 10 % |
|           | 201-134-4  |              |                  |            |
|           | Skin Irrit. 2, Eye Irrit. 2; H315 H319   |              |                  |            |
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene   |              |                  | 5 - < 10 % |
|           | 227-813-5  | 601-029-00-7 | 01-2119529223-47 |            |
|           | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226<br>H315 H317 H304 H400 H410 |              |                  |            |
| 5392-40-5 | citral   |              |                  | 1 - < 5 %  |
|           | 226-394-6  | 605-019-00-3 |                  |            |
|           | Skin Irrit. 2, Skin Sens. 1; H315 H317   |              |                  |            |
| 106-22-9  | Citronellol  |              |                  | 1 - < 5 %  |
|           | 203-375-0  |              |                  |            |
|           | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317  |              |                  |            |

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

**Safety Data Sheet**

according to UK REACH Regulation

**Aroma - Orange**

Revision date: 12.12.2022

Product code: c6519\_sd

Page 3 of 10

**Specific Conc. Limits, M-factors and ATE**

| CAS No    | EC No     | Chemical name  | Quantity   |
|-----------|-----------|--|------------|
|           |           | Specific Conc. Limits, M-factors and ATE               |            |
| 5989-27-5 | 227-813-5 | (R)-p-mentha-1,8-diene, d-limonene                     | 5 - < 10 % |
|           |           | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg |            |

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Take off all contaminated clothing immediately.

**After inhalation**

Move to fresh air.

**After contact with skin**

Wash off with soap and water.

**After contact with eyes**

Rinse thoroughly with plenty of water, also under the eyelids.

If eye irritation persists, consult a specialist.

**After ingestion**

Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible.

Consult a physician if necessary.

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

This information is not available.

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

Show this safety data sheet to the doctor in attendance.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media**

High volume water jet

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

Fire may cause evolution of: Carbon monoxide

**5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

**Additional information**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Not required

**For non-emergency personnel**

No special measures are necessary.

**For emergency responders**

No special measures are necessary.

**6.2. Environmental precautions**

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer

## Safety Data Sheet

according to UK REACH Regulation

### Aroma - Orange

Revision date: 12.12.2022

Product code: c6519\_sd

Page 4 of 10

system.

#### **6.3. Methods and material for containment and cleaning up**

##### **For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

##### **For cleaning up**

Wipe up with absorbent material (e.g. cloth, fleece).

Clean contaminated articles and floor according to the environmental legislation.

##### **Other information**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

#### **6.4. Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

No special precautions required.

##### **Advice on protection against fire and explosion**

No special protective measures against fire required.

##### **Advice on general occupational hygiene**

General industrial hygiene practice. No special protective equipment required.

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

##### **Requirements for storage rooms and vessels**

Store in original container. Keep in a dry, cool and well-ventilated place. Protect against light. Store in a place accessible by authorized persons only.

##### **Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

##### **Further information on storage conditions**

Keep container tightly closed.

Never return unused material to storage receptacle.

#### **7.3. Specific end use(s)**

This information is not available.

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

##### **Additional advice on limit values**

To date, no national critical limit values exist.

#### **8.2. Exposure controls**

##### **Appropriate engineering controls**

Not required.

##### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Tightly fitting safety goggles

##### **Hand protection**

Suitable protective gloves recommended.

Recommendation: Nitrile gloves with a coating thickness of 0.4 mm which protect at least 8 hours (corresponds to the permeability level 6 of the European norm DIN/EN 374) and provide a resistance to swelling of < 15%.

## Safety Data Sheet

according to UK REACH Regulation

### Aroma - Orange

Revision date: 12.12.2022

Product code: c6519\_sd

Page 5 of 10

#### Skin protection

Not required

#### Respiratory protection

Not required

#### Environmental exposure controls

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                |                                  |
|---|----------------|----------------------------------|
| Physical state:   | liquid         |                                  |
| Colour:   | green-yellow   |                                  |
| Odour:  | characteristic |                                  |
|   |                | <b>Test method</b>               |
| Melting point/freezing point:                             |                | <-8 °C                           |
| Boiling point or initial boiling point and boiling range: |                | >98 °C                           |
| Flammability  |                |                                  |
| Solid/liquid:   |                | not applicable                   |
| Lower explosion limits:                                   |                | not applicable                   |
| Upper explosion limits:                                   |                | not applicable                   |
| Flash point:  |                | 64 °C                            |
| Auto-ignition temperature:                                |                | not applicable                   |
| Decomposition temperature:                                |                | not determined                   |
| pH-Value (at 20 °C):                                      |                | not applicable                   |
| Viscosity / kinematic:                                    |                | not determined                   |
| Water solubility:   |                | immiscible                       |
| (at 20 °C)  |                |                                  |
| Solubility in other solvents                              |                |                                  |
| not determined  |                |                                  |
| Partition coefficient n-octanol/water:                    |                | not determined                   |
| Vapour pressure:  |                | not determined                   |
| (at 50 °C)  |                |                                  |
| Density (at 20 °C):                                       |                | 0,94 g/cm <sup>3</sup> K-QP1012E |
| Relative vapour density:                                  |                | not determined                   |

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

Not explosive

##### Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

##### Oxidizing properties

Not relevant

#### Other safety characteristics

##### Evaporation rate:

not determined

##### Solid content:

not determined

##### Sublimation point:

not applicable

##### Softening point:

not applicable

##### Pour point:

not applicable

##### Viscosity / dynamic:

not determined

(at 20 °C)

## Safety Data Sheet

according to UK REACH Regulation

### Aroma - Orange

Revision date: 12.12.2022

Product code: c6519\_sd

Page 6 of 10

Flow time:

not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This information is not available.

### 10.2. Chemical stability

This information is not available.

### 10.3. Possibility of hazardous reactions

This information is not available.

### 10.4. Conditions to avoid

Do not expose to temperatures above 35 °C.

### 10.5. Incompatible materials

This information is not available.

### 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

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

| CAS No    | Chemical name                      |                   |         |        |        |
|-----------|------------------------------------|-------------------|---------|--------|--------|
|           | Exposure route                     | Dose              | Species | Source | Method |
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene |                   |         |        |        |
|           | oral                               | LD50 > 2000 mg/kg | Rat     |        |        |
|           | dermal                             | LD50 > 2000 mg/kg | Rabbit  | IUCLID |        |

#### Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Contains 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, Pin-2(10)-ene, p-Mentha-1,4(8)-diene, [(2E)-3,7-dimethylocta-2,6-dienyl] acetate, 2-Methylundecanal. May produce an allergic reaction. May cause an allergic skin reaction. ((R)-p-mentha-1,8-diene, d-limonene; citral; Citronellol)

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

May be fatal if swallowed and enters airways.

### 11.2. Information on other hazards

#### Endocrine disrupting properties

This information is not available.

#### Further information

Health injuries are not known or expected under normal use.

## Safety Data Sheet

according to UK REACH Regulation

### Aroma - Orange

Revision date: 12.12.2022

Product code: c6519\_sd

Page 7 of 10

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

| CAS No    | Chemical name                      |                |           |                     |        |        |
|-----------|------------------------------------|----------------|-----------|---------------------|--------|--------|
|           | Aquatic toxicity                   | Dose           | [h]   [d] | Species             | Source | Method |
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene |                |           |                     |        |        |
|           | Acute fish toxicity                | LC50 0,7 mg/l  | 96 h      | Pimephales promelas |        |        |
|           | Acute crustacea toxicity           | EC50 0,42 mg/l | 48 h      | Daphnia magna       |        |        |

### 12.3. Bioaccumulative potential

This information is not available.

### Partition coefficient n-octanol/water

| CAS No    | Chemical name                      | Log Pow |
|-----------|------------------------------------|---------|
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene | 4,23    |

### 12.4. Mobility in soil

This information is not available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

This information is not available.

### Further information

Do not allow material to contaminate ground water system.

Do not flush into surface water or sanitary sewer system.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Container should be emptied thoroughly.

Do not dispose of waste into sewer.

#### List of Wastes Code - residues/unused products

130899 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); oil wastes not otherwise specified; wastes not otherwise specified; hazardous waste

#### List of Wastes Code - used product

130899 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); oil wastes not otherwise specified; wastes not otherwise specified; hazardous waste

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### 14.1. UN number or ID number:

UN 3082

#### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Dipentene)

**Safety Data Sheet**

according to UK REACH Regulation

**Aroma - Orange**

Revision date: 12.12.2022

Product code: c6519\_sd

Page 8 of 10

**14.3. Transport hazard class(es):**

9

**14.4. Packing group:**

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

Tunnel restriction code:

-

**Marine transport (IMDG)**

**14.1. UN number or ID number:**

UN 3082

**14.2. UN proper shipping name:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Dipentene)

**14.3. Transport hazard class(es):**

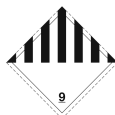
9

**14.4. Packing group:**

III

Hazard label:

9



Special Provisions:

274, 335, 969

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-F

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:

Yes



**14.6. Special precautions for user**

Not required

**14.7. Maritime transport in bulk according to IMO instruments**

Not relevant

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

**National regulatory information**

Water hazard class (D):

2 - obviously hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**



## Safety Data Sheet

according to UK REACH Regulation

### Aroma - Orange

Revision date: 12.12.2022

Product code: c6519\_sd

Page 9 of 10

#### Changes

This data sheet contains changes from the previous version in section(s): 3 / 6 / 7 / 8 / 12

#### 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 Harmonized 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  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Asp. Tox. 1; H304       | Calculation method       |
| Skin Irrit. 2; H315     | Calculation method       |
| Skin Sens. 1; H317      | Calculation method       |
| Aquatic Chronic 2; H411 | Calculation method       |

#### Relevant H and EUH statements (number and full text)

|      |   |
|------|---|
| H226 | Flammable liquid and vapour.                  |
| 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.                |
| H400 | Very toxic to aquatic life.                   |

## Safety Data Sheet

according to UK REACH Regulation

### Aroma - Orange

Revision date: 12.12.2022

Product code: c6519\_sd

Page 10 of 10

|        |  |
|--------|--|
| H410   | Very toxic to aquatic life with long lasting effects.  |
| H411   | Toxic to aquatic life with long lasting effects.   |
| EUH208 | Contains 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, Pin-2(10)-ene, p-Mentha-1,4(8)-diene, [(2E)-3,7-dimethylocta-2,6-dienyl] acetate, 2-Methylundecanal. May produce an allergic reaction. |

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*