

**SAFETY DATA SHEET**

Printed on 31 Mar 2023

CLP: According to 2015/830/EU

Version 1 Revised 28/02/2023

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**Section 1. Identification of the substance/mixture and of the company/undertaking****1.1 Product Identifier**

Product Name TANGERINE OIL

Alternative Name

REACH Reg No 01-2120117307-64-0007

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

Concentrated material for manufacturing purposes only

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

Tiamo e.U.  
Weideckerstraße 27  
3004 Riederberg  
Tel: 0664 3941526  
alexander.morgner@tiamo.at

Telephone Number 0664 3941526  
Email Address alexander.morgner@tiamo.at

**1.4 Emergency Tel No****Section 2. Hazard Identification****2.1 Classification of the substance or mixture**

FL 3 Flammable liquid, category 3  
AH 1 Aspiration hazard, category 1  
SCI 2 Skin corrosion/irritation, category 2  
SS 1B Skin sensitisation, category 1B  
EH C2 Aquatic hazard, chronic, category 2

**2.2 CLP Label elements**

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CLP classification according to Regulation (EC) No 1272/2008

**Hazard Pictograms****Signal Word**

Danger

**Hazard Statements**

|      |   |
|------|---|
| 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             |
| H411 | Toxic to aquatic life with long lasting effects |

**Precautionary Statements**

|           |  |
|-----------|--|
| P264      | Wash hands thoroughly after handling                   |
| P273      | Avoid release to the environment.                      |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTRE.        |
| P302+P352 | IF ON SKIN: Wash with plenty of water.                 |
| P331      | Do NOT induce vomiting.                                |
| P333+P313 | If skin irritation or rash occurs: Get medical advice. |

**2.3 Other Hazards**

Contains Citral, Limonene and Linalool which may produce an allergic reaction  
No further information available at this time

**Section 3. Composition / information on ingredients**

Any percentage values listed here for hazardous components are for illustrative purposes only

**3.2 Mixtures**

100% ESSENTIAL OIL  
US CAS No: 8008-31-9

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**Hazardous components**

| ID Numbers                                 | Chemical Name, Classification and Hazards  | Conc (%) |
|--|--|----------|
| CAS 5989-27-5<br>EINECS 227-813-5<br>REACH | d-Limonene (p-Mentha-1,8-diene)<br>AH 1;SCI 2;SS 1B;EH A1,C1<br>H304,H315,H317,H400,H410 | >=25%    |
| CAS 80-56-8<br>EINECS 201-291-9<br>REACH   | alpha-Pinene<br>AH 1;SCI 2;SS 1B;EH A1,C1<br>H304,H315,H317,H400,H410                    | >=1%,<3% |

Refer to section 16 for the wording of listed classification and hazard statement codes

**Section 4. First Aid measures**

Take phrases in section 2 into account

**4.1 Description of first aid measures****After inhalation**

Remove from the exposure area to fresh air. Contact a doctor if necessary.

**After skin contact**

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

**After eye contact**

Flush with plenty of water and seek medical advice if necessary.

**After ingestion**

Wash mouth with plenty of water and obtain medical advice immediately.

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

No further information available at this time

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

No further information available at this time

**Section 5. Fire-fighting measures****5.1 Extinguishing Media**Carbon dioxide, foam or dry powder.  
DO NOT USE A DIRECT WATER JET.**5.2 Special hazards arising from the substance or mixture**

May produce Carbon dioxide and unidentified organic compounds.

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**5.3 Advice for fire-fighters**

Wear protective clothing and avoid inhalation of vapours. Keep containers cool with water spray

**Section 6. Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition.  
Avoid inhalation, skin and eye contact.  
Ensure proper ventilation.

**6.2 Environmental precautions**

Do not discharge directly into drains or the soil. Keep away from surface and ground water

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

Soak up spillage with sand or other inert absorbant material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

**6.4 Reference to other sections**

Refer to information in Sections 7, 8 and 13

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

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

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

Store in tightly sealed original containers away from ignition sources and in a cool place.

**7.3 Specific end use(s)**

No further information available

**Section 8. Exposure controls / personal protection****8.1 Control Parameters**

No information

**8.2 Exposure controls****Engineering controls**

No information

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**Individual protection measures**

Refer to Section 5 for specific fire/chemical personal protective equipment advice.  
Always wash routinely before breaks, meals and at the end of the work period.

**Eye/face protection**

Wear safety goggles.

**Hand protection**

Wear chemically resistant disposable gloves.

**Other skin protection**

Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

**Respiratory protection**

Not generally required. Use inhalation protection in poorly ventilated areas

**Thermal hazards**

No information

**Environmental exposure controls**

No information

**Section 9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                  |                              |
|------------------|------------------------------|
| FLASH POINT (°C) | 47                           |
| Colour           | ORANGE - ORANGE-RED          |
| Aroma            | CHARACTERISTICS OF TANGERINE |
| Solubility       | INSOLUBLE                    |

**9.2 Other information**

No further information available

**Section 10. Stability and reactivity****10.1 Reactivity**

Not determined

**10.2 Chemical Stability**

Not determined

**10.3 Possibility of hazardous reactions**

Not determined

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*Version 1 Revised 28/02/2023**09:19:54***10.4 Conditions to avoid**

Extreme temperatures

**10.5 Incompatible materials**

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

**10.6 Hazardous decomposition products**

Not determined

**Section 11. Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Skin corrosion / irritation**

No data

**Serious eye damage / irritation**

No data

**Respiratory or skin sensitisation**

No data

**Germ cell mutagenicity**

No data

**Carcinogenicity**

No data

**Reproductive toxicity**

No data

**STO-single exposure**

No data

**STO-repeated exposure**

No data

**Aspiration hazard**

No data

**Information on likely routes of exposure**

No data

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**Symptoms related to the physical, chemical and toxicological characteristics**

No data

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

No data

**Interactive effects**

No data

**Other information**

No data

**Section 12. Ecological information****12.1 Toxicity**

No data available. Avoid soil, surface water and water-bearing stratum contamination.

**12.2 Persistence and degradability**

No data

**12.3 Bioaccumulative potential**

No data

**12.4 Mobility in soil**

No data

**12.5 Results of PBT and vPvB assessment**

No data

**12.6 Other adverse effects**

No data available

**Section 13. Disposal considerations**

Please refer to the information in section 8 (Exposure controls and personal protection)

**13.1 Waste treatment methods**

Dispose in accordance with the law and local regulations. Treat as trade effluent.

**Section 14. Transport information**

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**14.1 UN number**

|      |      |
|------|------|
| ADR  | 1197 |
| IATA | 1197 |
| IMDG | 1197 |

**14.2 UN proper shipping name**

|      |                  |
|------|------------------|
| ADR  | EXTRACTS, LIQUID |
| IATA | EXTRACTS, LIQUID |
| IMDG | EXTRACTS, LIQUID |

**14.3 Transport hazard class(es)**

|      |   |
|------|---|
| ADR  | 3 |
| IATA | 3 |
| IMDG | 3 |

**14.4 Packing group**

|      |     |
|------|-----|
| ADR  | III |
| IATA | III |
| IMDG | III |

Tunnel Code (D/E)

**14.5 Environmental Hazards**

Marine Pollutant - contains environmentally hazardous substances ( Limonene)

**14.6 Special precautions for user**

No relevant information available

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

**Section 15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No relevant information available at this time

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out

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**Section 16. Other information****Full list of precautionary phrases**

|           |  |
|-----------|--|
| P262      | Do not get in eyes, on skin, or on clothing.             |
| P264      | Wash hands thoroughly after handling                     |
| P273      | Avoid release to the environment.                        |
| P280      | Wear protective gloves and eye protection                |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTRE.          |
| P302+P352 | IF ON SKIN: Wash with plenty of water.                   |
| P331      | Do NOT induce vomiting.                                  |
| P333+P313 | If skin irritation or rash occurs: Get medical advice.   |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P391      | Collect spillage.  |
| P405      | Store locked up.   |

**Wording of any hazard classes listed in section 3**

|       |                                       |
|-------|---------------------------------------|
| FL 3  | Flammable liquid, category 3          |
| ATO 4 | Acute toxicity, oral, category 4      |
| AH 1  | Aspiration hazard, category 1         |
| SCI 2 | Skin corrosion/irritation, category 2 |
| SS 1B | Skin sensitisation, category 1B       |
| EDI 2 | Eye damage/irritation, category 2     |
| EH A1 | Aquatic hazard, acute, category 1     |
| EH C1 | Aquatic hazard, chronic, category 1   |
| EH C3 | Aquatic hazard, chronic, category 3   |

**Wording of any hazard statements listed in section 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                        |
| H400 | Very toxic to aquatic life                           |
| H410 | Very toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects    |