



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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

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

- **Product identifier**
- **Trade name:** Tea tree oil
- **Article number:** 7680
- **CAS Number:**  
85085-48-9
- **EC number:**  
285-377-1
- **Registration number** The substance is exempt from REACH-registration.
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Ingredient for pharmaceutical drugs
- **Uses advised against** No relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
CAELO  
Caesar & Loretz GmbH  
Herderstr. 31  
D-40721 Hilden  
GERMANY
- **Further information obtainable from:**  
E-mail: info@caelo.de  
Tel.: +49210349940 (during regular opening hours)
- **Emergency telephone number:**  
Poison Information Center Bonn  
Venusberg-Campus 1, 53127 Bonn  
Tel: +49 (0) 228-192400

### \* 2 Hazards identification

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

|                   |   |
|-------------------|---|
| Flam. Liq. 3      | H226 Flammable liquid and vapour.                     |
| Acute Tox. 4      | H302 Harmful if swallowed.                            |
| 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.             |
| Asp. Tox. 1       | H304 May be fatal if swallowed and enters airways.    |
| Aquatic Chronic 2 | H411 Toxic to aquatic life with long lasting effects. |

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

(Contd. on page 2)

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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

**Trade name: Tea tree oil**

(Contd. of page 1)

**Hazard pictograms**

GHS02



GHS07



GHS08



GHS09

**Signal word** Danger**Hazard statements**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P331 Do NOT induce vomiting.

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.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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.**Determination of endocrine-disrupting properties** Not applicable.

### 3 Composition/information on ingredients

**Substances****CAS No. Description**

CAS: 85085-48-9 Tea tree oil

**Identification number(s)****EC number:** 285-377-1

(Contd. on page 3)



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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

**Trade name: Tea tree oil**

(Contd. of page 2)

### 4 First aid measures

**Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Remove contaminated clothing immediately.  
Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Call a doctor immediately.
- **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:**  
All regular extinguishing media can be used.  
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**  
Combustible. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **Advice for firefighters**
- **Protective equipment:** In case of fire wear suitable protective clothes and respiratory protection.
- **Additional information**  
Prevent from entering into drains. Fire residues must be disposed in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Avoid contact with the substance.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
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.
- **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

- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

(Contd. on page 4)



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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

**Trade name: Tea tree oil**

(Contd. of page 3)

- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store receptacle in a well ventilated area.
- **Storage class:** TRHS 510: 3 Flammable liquid
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Respiratory with filter.
- **Hand protection** Protective gloves
- **Material of gloves**  
Rubber gloves  
PVC 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.
- **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.
- **For the permanent contact gloves made of the following materials are suitable:**  
Nitrile rubber/nitrile latex.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**  
Neoprene gloves
- **Eye/face protection** Tightly sealed goggles

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Yellowish
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.

(Contd. on page 5)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

---

**Trade name: Tea tree oil**

---

(Contd. of page 4)

|  |                                      |
|--|--------------------------------------|
| · <b>Boiling point or initial boiling point and boiling range</b>                      | Undetermined.                        |
| · <b>Flammability</b>  | Not applicable.                      |
| · <b>Lower and upper explosion limit</b>   |                                      |
| · <b>Lower:</b>  | Not determined.                      |
| · <b>Upper:</b>  | Not determined.                      |
| · <b>Flash point:</b>  | 60 °C                                |
| · <b>Decomposition temperature:</b>  | Not determined.                      |
| · <b>pH</b>  | Not determined.                      |
| · <b>Viscosity:</b>  |                                      |
| · <b>Kinematic viscosity</b>   | Not determined.                      |
| · <b>Dynamic:</b>  | Not determined.                      |
| · <b>Solubility</b>  |                                      |
| · <b>water:</b>  | Not determined.                      |
| · <b>Partition coefficient n-octanol/water (log value)</b>                             | Not determined.                      |
| · <b>Vapour pressure:</b>  | Not determined.                      |
| · <b>Density and/or relative density</b>   |                                      |
| · <b>Density at 20 °C:</b>   | 0.893 g/cm <sup>3</sup>              |
| · <b>Relative density</b>  | Not determined.                      |
| · <b>Vapour density</b>  | Not determined.                      |
| · <b>Other information</b>   |                                      |
| · <b>Appearance:</b>   |                                      |
| · <b>Form:</b>   | Fluid                                |
| · <b>Important information on protection of health and environment, and on safety.</b> |                                      |
| · <b>Auto-ignition temperature:</b>  | Not determined.                      |
| · <b>Explosive properties:</b>   | Not determined.                      |
| · <b>Change in condition</b>   |                                      |
| · <b>Evaporation rate</b>  | Not determined.                      |
| · <b>Information with regard to physical hazard classes</b>                            |                                      |
| · <b>Explosives</b>  | Void<br>Void                         |
| · <b>Flammable gases</b>   | Void<br>Void                         |
| · <b>Aerosols</b>  | Void<br>Void                         |
| · <b>Oxidising gases</b>   | Void<br>Void                         |
| · <b>Gases under pressure</b>  | Void<br>Void                         |
| · <b>Flammable liquids</b>   | Flammable liquid and vapour.<br>Void |
| · <b>Flammable solids</b>  | Void<br>Void                         |

(Contd. on page 6)



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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

**Trade name: Tea tree oil**

(Contd. of page 5)

|  |      |
|--|------|
| · <b>Self-reactive substances and mixtures</b>                                     | Void |
|  | Void |
| · <b>Pyrophoric liquids</b>  | Void |
|  | Void |
| · <b>Pyrophoric solids</b>   | Void |
|  | Void |
| · <b>Self-heating substances and mixtures</b>                                      | Void |
|  | Void |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
|  | Void |
| · <b>Oxidising liquids</b>   | Void |
|  | Void |
| · <b>Oxidising solids</b>  | Void |
|  | Void |
| · <b>Organic peroxides</b>   | Void |
|  | Void |
| · <b>Corrosive to metals</b>   | Void |
|  | Void |
| · <b>Desensitised explosives</b>   | Void |
|  | Void |

### 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** High temperature.
- **Incompatible materials:**  
Strong oxidizing agents  
Alkalis  
Acids
- **Hazardous decomposition products:** No dangerous decomposition products known.

### \* 11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if swallowed.
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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** May be fatal if swallowed and enters airways.

(Contd. on page 7)



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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

**Trade name: Tea tree oil**

(Contd. of page 6)

**Information on other hazards****Endocrine disrupting properties**

On the basis of the available data, the substance does not meet the criteria for the identification of substances having properties of interference with the endocrine system, in accordance with Article 59, paragraph 1 of the REACH Regulation and the criteria established in the Delegated Regulation (EU) 2017 / 2100 of the Commission or in Commission Regulation (EU) 2018/605.

### \* 12 Ecological information

**Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

**Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

**Endocrine disrupting properties**

Based on the available data, the substance does not meet the criteria for the identification of substances with properties affecting the endocrine system according to Article 59(1) of the REACH Regulation and the criteria of the Commission Delegated Regulation (EU) 2017/2100 or in the Commission Regulation (EU) 2018/605.

**Other adverse effects**

· **Remark:** Toxic for fish

**Additional ecological information:****General notes:**

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

### \* 13 Disposal considerations

**Waste treatment methods****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to local regulations.

### 14 Transport information

**UN number or ID number****ADR, IMDG, IATA**

UN1993

**UN proper shipping name****ADR**

1993 FLAMMABLE LIQUID, N.O.S. (Melaleuca alternifolia, ext.), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (Melaleuca alternifolia, ext.)  
Flammable liquid, n.o.s. (Melaleuca alternifolia, ext.)

**IMDG****IATA**

(Contd. on page 8)



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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

**Trade name: Tea tree oil**

(Contd. of page 7)

- **Transport hazard class(es)**
- **ADR, IMDG, IATA**
- **Class** 3 Flammable liquids.
- **Label** 3
- **Packing group**
- **ADR, IMDG, IATA** III
- **Environmental hazards:** Environmentally hazardous substance, liquid
- **Special marking (ADR):** Symbol (fish and tree)
- **Special precautions for user** Warning: Flammable liquids.
- **Hazard identification number (Kemler code):** 30
- **EMS Number:** F-E,S-E
- **Maritime transport in bulk according to IMO instruments** Not applicable.

**Transport/Additional information:**

- **ADR**
- **Limited quantities (LQ)** 5L
- **Transport category** 3
- **Tunnel restriction code** D/E
- **IMDG**
- **Limited quantities (LQ)** 5L
- **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (TEA TREE OIL), 3, III, ENVIRONMENTALLY HAZARDOUS

### \* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Not listed
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
Substance is not listed.
- **National regulations:**
- **Storage of hazardous substances in nonstationary vessels (TRGS 510) (Germany)**  
TRHS 510: 3 Flammable liquid
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

- The information provided is based on our current level of knowledge. This MSDS has been compiled and is exclusively for this product intended.
- **Reasons for alterations** This version replaces all old versions.
  - **Date of previous version:** 06.03.2023
  - **Version number of previous version:** 2.00
  - **Abbreviations and acronyms:**  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 9)



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

Printing date 08.03.2023

Version number 3.00 (replaces version 2.00)

Revision: 08.03.2023

---

**Trade name: Tea tree oil**

---

(Contd. of page 8)

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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

MAL-Code: Måleteknisk Arbejdshygjensk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

Asp. Tox. 1: Aspiration hazard – Category 1

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

· **\* Data compared to the previous version altered.**