



## SAFETY DATA SHEET TEA TREE OIL CT

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

#### 1.1. Product identifier

|                |                 |
|----------------|-----------------|
| Product name   | TEA TREE OIL CT |
| Product number | 55756           |
| CAS number     | 68647-73-4      |
| EC number      | 285-377-1       |
| FEMA           | 3902            |

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

|                 |           |
|-----------------|-----------|
| Identified uses | Cosmetics |
|-----------------|-----------|

#### 1.3. Details of the supplier of the safety data sheet

|          |                                                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------------------------|
| Supplier | Univar<br>Aquarius House<br>6 Mid Point Business Park<br>Bradford<br>BD3 7AY<br>+44 1274 267300<br>+44 1274 267306<br>sds@univar.com |
|----------|--------------------------------------------------------------------------------------------------------------------------------------|

#### 1.4. Emergency telephone number

|                     |                                |
|---------------------|--------------------------------|
| Emergency telephone | SGS - +32 (0)3 575 55 55 (24h) |
| Sds No.             | 55756                          |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Physical hazards      | Flam. Liq. 3 - H226                                                              |
| Health hazards        | Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 |
| Environmental hazards | Aquatic Chronic 2 - H411                                                         |

#### 2.2. Label elements

|           |           |
|-----------|-----------|
| EC number | 285-377-1 |
|-----------|-----------|

##### Pictogram



Signal word

Warning

## TEA TREE OIL CT

|                                 |                                                                                                                                                                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b>        | H226 Flammable liquid and vapour.<br>H302 Harmful if swallowed.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H411 Toxic to aquatic life with long lasting effects.                                                        |
| <b>Precautionary statements</b> | P202 Do not handle until all safety precautions have been read and understood.<br>P261 Avoid breathing vapour/ spray.<br>P273 Avoid release to the environment.<br>P302+P352 IF ON SKIN: Wash with plenty of water.<br>P501 Dispose of contents/ container in accordance with national regulations. |
| <b>Contains</b>                 | P-MENTH-1-EN-4-OL , EUCALYPTOL, ALPHA-TERPINENE, P MENTHA 1,4 (8) DIENE, (R)-P-MENTHA-1,8-DIENE, 2-PINENE                                                                                                                                                                                           |

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

|                                                                                                                                                                                            |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>P-MENTH-1-EN-4-OL</b><br>CAS number: 562-74-3                      EC number: 209-235-5                                                                                                 | <b>30-60%</b> |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319                                                                                                |               |
| <b>2-CYANO-2-[2,3-DIHYDRO-3-(TETRAHYDRO-2,4,6-TRIOXO-5(2H)-PYRIMIDINYLIDENE)-1H-ISOINDOL-1-YLIDENE]-N-METHYLACETAMIDE</b><br>CAS number: 99-85-4                      EC number: 202-794-6 | <b>10-30%</b> |
| <b>Classification</b><br>Not Classified                                                                                                                                                    |               |
| <b>EUCALYPTOL</b><br>CAS number: 470-82-6                      EC number: 207-431-5                                                                                                        | <b>10-30%</b> |
| <b>Classification</b><br>Flam. Liq. 3 - H226<br>Skin Sens. 1B - H317                                                                                                                       |               |

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|                                                                                                                                                  |                        |                                                  |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------|--------------|
| <b>ALPHA-TERPINENE</b>                                                                                                                           |                        |                                                  | <b>5-10%</b> |
| CAS number: 99-86-5                                                                                                                              | EC number: 202-795-1   |                                                  |              |
| <b>Classification</b><br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H302<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                            |                        |                                                  |              |
| <b>PARA CYMENE</b>                                                                                                                               |                        |                                                  | <b>1-5%</b>  |
| CAS number: 99-87-6                                                                                                                              | EC number: 202-796-7   |                                                  |              |
| <b>Classification</b><br>Flam. Liq. 3 - H226<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                                                   |                        |                                                  |              |
| <b>P MENTHA 1,4 (8) DIENE</b>                                                                                                                    |                        |                                                  | <b>1-5%</b>  |
| CAS number: 586-62-9                                                                                                                             | EC number: 209-578-0   | REACH registration number: 01-2119982324-34-XXXX |              |
| M factor (Acute) = 1                                                                                                                             | M factor (Chronic) = 1 |                                                  |              |
| <b>Classification</b><br>Flam. Liq. 3 - H226<br>Skin Sens. 1B - H317<br>Asp. Tox. 1 - H304<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 |                        |                                                  |              |
| <b>1-METHYL 4-ISO PROPYL-1-CYCLOHEXEN-8-OL</b>                                                                                                   |                        |                                                  | <b>1-5%</b>  |
| CAS number: 98-55-5                                                                                                                              | EC number: 202-680-6   | REACH registration number: 01-2119980717-23-XXXX |              |
| <b>Classification</b><br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319                                                                             |                        |                                                  |              |

## TEA TREE OIL CT

|                                                                                                                                                                                                |                        |  |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|-------------|
| <b>2-PINENE</b>                                                                                                                                                                                |                        |  | <b>1-5%</b> |
| CAS number: 80-56-8                                                                                                                                                                            | EC number: 201-291-9   |  |             |
| M factor (Acute) = 1                                                                                                                                                                           | M factor (Chronic) = 1 |  |             |
| <b>Classification</b><br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Skin Sens. 1 - H317<br>Asp. Tox. 1 - H304<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 |                        |  |             |

|                                                                                                                                                                         |                        |                                                  |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------|-------------|
| <b>(R)-P-MENTHA-1,8-DIENE</b>                                                                                                                                           |                        |                                                  | <b>1-5%</b> |
| CAS number: 5989-27-5                                                                                                                                                   | EC number: 227-813-5   | REACH registration number: 01-2119529223-47-XXXX |             |
| M factor (Acute) = 1                                                                                                                                                    | M factor (Chronic) = 1 |                                                  |             |
| <b>Classification</b><br>Flam. Liq. 3 - H226<br>Skin Irrit. 2 - H315<br>Skin Sens. 1 - H317<br>Asp. Tox. 1 - H304<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 |                        |                                                  |             |

The full text for all hazard statements is displayed in Section 16.

|                             |                                                                 |
|-----------------------------|-----------------------------------------------------------------|
| <b>Product name</b>         | TEA TREE OIL CT                                                 |
| <b>CAS number</b>           | 68647-73-4                                                      |
| <b>EC number</b>            | 285-377-1                                                       |
| <b>Composition comments</b> | The data shown are in accordance with the latest EC Directives. |

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

|                     |                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.                                                                                        |
| <b>Ingestion</b>    | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if symptoms are severe or persist. |
| <b>Skin contact</b> | Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. Continue to rinse. Get medical attention if symptoms are severe or persist.                                                                                |
| <b>Eye contact</b>  | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.                                                   |

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

|                  |                       |
|------------------|-----------------------|
| <b>Ingestion</b> | Harmful if swallowed. |
|------------------|-----------------------|

## TEA TREE OIL CT

**Skin contact** Causes skin irritation. May cause an allergic skin reaction.

**Eye contact** Causes serious eye irritation.

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

**Notes for the doctor** Treat symptomatically. Contact specialist immediately poison treatment if large quantities have been ingested or inhaled

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Hazardous combustion products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

### **6.2. Environmental precautions**

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation.

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

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

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

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

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Provide adequate ventilation.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

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

## TEA TREE OIL CT

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid exposure to high temperatures or direct sunlight.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

#### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/141/145/143/149

## SECTION 9: Physical and Chemical Properties

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

|                                        |                           |
|----------------------------------------|---------------------------|
| <b>Appearance</b>                      | Liquid.                   |
| <b>Colour</b>                          | Colourless.               |
| <b>Odour</b>                           | Characteristic.           |
| <b>Odour threshold</b>                 | No information available. |
| <b>pH</b>                              | No information available. |
| <b>Melting point</b>                   | No information available. |
| <b>Initial boiling point and range</b> | No information available. |
| <b>Flash point</b>                     | 55°C                      |
| <b>Evaporation rate</b>                | No information available. |
| <b>Evaporation factor</b>              | No information available. |

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|                                              |                                                             |
|----------------------------------------------|-------------------------------------------------------------|
| Flammability (solid, gas)                    | No information available.                                   |
| Upper/lower flammability or explosive limits | No information available.                                   |
| Other flammability                           | No information available.                                   |
| Vapour pressure                              | No information available.                                   |
| Vapour density                               | No information available.                                   |
| Relative density                             | 0.890 @ 20°C                                                |
| Bulk density                                 | No information available.                                   |
| Solubility(ies)                              | No information available.                                   |
| Partition coefficient                        | No information available.                                   |
| Auto-ignition temperature                    | No information available.                                   |
| Decomposition Temperature                    | No information available.                                   |
| Viscosity                                    | No information available.                                   |
| Explosive properties                         | Not considered to be explosive.                             |
| Explosive under the influence of a flame     | No information available.                                   |
| Oxidising properties                         | Does not meet the criteria for classification as oxidising. |

### 9.2. Other information

|                           |                           |
|---------------------------|---------------------------|
| Refractive index          | No information available. |
| Particle size             | No information available. |
| Molecular weight          | No information available. |
| Volatility                | No information available. |
| Saturation concentration  | No information available. |
| Critical temperature      | No information available. |
| Volatile organic compound | No information available. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |                                                                                                |
|------------|------------------------------------------------------------------------------------------------|
| Reactivity | No test data specifically related to reactivity available for this product or its ingredients. |
|------------|------------------------------------------------------------------------------------------------|

### 10.2. Chemical stability

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| Stability | Stable at normal ambient temperatures and when used as recommended. |
|-----------|---------------------------------------------------------------------|

### 10.3. Possibility of hazardous reactions

|                                    |                                                                                |
|------------------------------------|--------------------------------------------------------------------------------|
| Possibility of hazardous reactions | Under normal conditions of storage and use, no hazardous reactions will occur. |
|------------------------------------|--------------------------------------------------------------------------------|

### 10.4. Conditions to avoid

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| Conditions to avoid | Avoid exposure to high temperatures or direct sunlight. |
|---------------------|---------------------------------------------------------|

### 10.5. Incompatible materials

|                    |                   |
|--------------------|-------------------|
| Materials to avoid | Oxidising agents. |
|--------------------|-------------------|

## TEA TREE OIL CT

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg) 1,475.55

##### Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

##### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

##### Respiratory sensitisation

Respiratory sensitisation No information available.

##### Skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

##### Germ cell mutagenicity

Genotoxicity - in vitro No information available.

##### Carcinogenicity

Carcinogenicity No information available.

##### Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity - development No information available.

##### Specific target organ toxicity - single exposure

STOT - single exposure No information available.

##### Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

##### Aspiration hazard

Aspiration hazard No information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

#### Toxicological information on ingredients.

##### P-MENTH-1-EN-4-OL

##### Acute toxicity - oral

ATE oral (mg/kg) 500.0

## TEA TREE OIL CT

EUCALYPTOLAcute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,480.0

Species Rat

ATE oral (mg/kg) 2,480.0

Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> >5000 mg/kg, Dermal, Rabbit

Skin corrosion/irritation

Skin corrosion/irritation No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity - development No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact May cause an allergic skin reaction.

Eye contact May cause temporary eye irritation.

## TEA TREE OIL CT

### ALPHA-TERPINENE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,680.0

Species Rat

ATE oral (mg/kg) 1,680.0

#### Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

### PARA CYMENE

#### Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

**Ingestion** May be fatal if swallowed and enters airways.

**Skin contact** Liquid may irritate skin. Repeated exposure may cause skin dryness or cracking.

**Eye contact** Vapour or spray in the eyes may cause irritation and smarting.

### P MENTHA 1,4 (8) DIENE

#### Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

### 1-METHYL 4-ISO PROPYL-1-CYCLOHEXEN-8-OL

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 4,300.0

Species Rat

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> 4300 mg/kg, Oral, Rat

ATE oral (mg/kg) 4,300.0

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> > 3000 mg/kg, Dermal, Rabbit

#### Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin. Rabbit

#### Serious eye damage/irritation

Serious eye damage/irritation Irritating to eyes. Rabbit

#### Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

#### Germ cell mutagenicity

## TEA TREE OIL CT

Genotoxicity - in vitro      Bacterial reverse mutation test: Negative.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure      NOAEL 314 mg/kg, Oral, Rat ( 90 days ; 7 days/week )

### 2-PINENE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg)      500.0

Species      Rat

Notes (oral LD<sub>50</sub>)      LD<sub>50</sub> 3700 mg/kg, Oral, Rat

ATE oral (mg/kg)      500.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg)      5,000.0

Species      Rat

Notes (dermal LD<sub>50</sub>)      LD<sub>50</sub> 5000 mg/kg, Dermal, Rat

ATE dermal (mg/kg)      5,000.0

Inhalation      May cause respiratory system irritation.

Ingestion      Harmful: may cause lung damage if swallowed.

Skin contact      May cause sensitisation by skin contact.

Eye contact      Irritating to eyes.

### (R)-P-MENTHA-1,8-DIENE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg)      4,400.0

Species      Rat

Notes (oral LD<sub>50</sub>)      LD<sub>50</sub> 4400 mg/kg, Oral, Rat

ATE oral (mg/kg)      4,400.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg)      5,000.0

Species      Rabbit

Notes (dermal LD<sub>50</sub>)      LD<sub>50</sub> 5000 mg/kg, Dermal, Rabbit

#### Skin corrosion/irritation

Animal data      No information available.

#### Serious eye damage/irritation

## TEA TREE OIL CT

|                                                           |                                                                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Serious eye damage/irritation                             | No information available.                                                                                                          |
| <u>Respiratory sensitisation</u>                          |                                                                                                                                    |
| Respiratory sensitisation                                 | No information available.                                                                                                          |
| <u>Skin sensitisation</u>                                 |                                                                                                                                    |
| Skin sensitisation                                        | No information available.                                                                                                          |
| <u>Germ cell mutagenicity</u>                             |                                                                                                                                    |
| Genotoxicity - in vitro                                   | No information available.                                                                                                          |
| <u>Carcinogenicity</u>                                    |                                                                                                                                    |
| IARC carcinogenicity                                      | IARC Group 3 Not classifiable as to its carcinogenicity to humans.                                                                 |
| <u>Reproductive toxicity</u>                              |                                                                                                                                    |
| Reproductive toxicity - fertility                         | No information available.                                                                                                          |
| <u>Specific target organ toxicity - single exposure</u>   |                                                                                                                                    |
| STOT - single exposure                                    | No information available.                                                                                                          |
| <u>Specific target organ toxicity - repeated exposure</u> |                                                                                                                                    |
| STOT - repeated exposure                                  | No information available.                                                                                                          |
| <u>Aspiration hazard</u>                                  |                                                                                                                                    |
| Aspiration hazard                                         | May be fatal if swallowed and enters airways. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. |
| .                                                         |                                                                                                                                    |
| Inhalation                                                | May cause respiratory system irritation.                                                                                           |
| Ingestion                                                 | Harmful: possible risk of irreversible effects if swallowed.                                                                       |
| Skin contact                                              | Irritating to skin. May cause sensitisation by skin contact.                                                                       |
| Eye contact                                               | May cause temporary eye irritation.                                                                                                |

### SECTION 12: Ecological Information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

#### Ecological information on ingredients.

##### EUCALYPTOL

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

##### PARA CYMENE

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

##### 2-PINENE

## TEA TREE OIL CT

### Ecotoxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### (R)-P-MENTHA-1,8-DIENE

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

### 12.1. Toxicity

#### Toxicity

Toxic to aquatic life.

#### Ecological information on ingredients.

### EUCALYPTOL

#### Toxicity

Not considered toxic to fish.

#### Acute aquatic toxicity

#### Acute toxicity - fish

LC<sub>50</sub>, 96 hours: 102 mg/l, Fish

### ALPHA-TERPINENE

#### Acute aquatic toxicity

#### Acute toxicity - fish

LC<sub>50</sub>, 96 hours: 1.48 mg/l, Pimephales promelas (Fat-head Minnow)

#### Acute toxicity - aquatic invertebrates

EC<sub>50</sub>, 48 hours: 1.85 mg/l, Daphnia magna

### PARA CYMENE

#### Toxicity

Toxic to aquatic life.

### P MENTHA 1,4 (8) DIENE

#### Acute aquatic toxicity

#### LE(C)<sub>50</sub>

0.1 < L(E)C<sub>50</sub> ≤ 1

#### M factor (Acute)

1

#### Acute toxicity - fish

LC<sub>50</sub>, 96 hours: 0.72 mg/l, Fish

#### Chronic aquatic toxicity

#### M factor (Chronic)

1

### 1-METHYL 4-ISO PROPYL-1-CYCLOHEXEN-8-OL

#### Acute aquatic toxicity

#### Acute toxicity - fish

LC<sub>50</sub>, 96 hour: 70 mg/l, Fish  
OECD 203

#### Acute toxicity - aquatic invertebrates

EC<sub>50</sub>, 48 hour: 73 mg/l, Daphnia magna  
OECD 202

#### Acute toxicity - aquatic plants

EC<sub>50</sub>, 72 hour: 68 mg/l, Algae  
OECD 201

### 2-PINENE

#### Acute aquatic toxicity

## TEA TREE OIL CT

|                                        |                                                      |
|----------------------------------------|------------------------------------------------------|
| LE(C) <sub>50</sub>                    | 0.1 < L(E)C <sub>50</sub> ≤ 1                        |
| M factor (Acute)                       | 1                                                    |
| Acute toxicity - aquatic invertebrates | LC <sub>50</sub> , 48 hour: 6.74 mg/l, Daphnia magna |
| <u>Chronic aquatic toxicity</u>        |                                                      |
| NOEC                                   | 0.01 < NOEC ≤ 0.1                                    |
| Degradability                          | Non-rapidly degradable                               |
| M factor (Chronic)                     | 1                                                    |

### (R)-P-MENTHA-1,8-DIENE

|                                        |                                                                              |
|----------------------------------------|------------------------------------------------------------------------------|
| <u>Acute aquatic toxicity</u>          |                                                                              |
| LE(C) <sub>50</sub>                    | 0.1 < L(E)C <sub>50</sub> ≤ 1                                                |
| M factor (Acute)                       | 1                                                                            |
| Acute toxicity - fish                  | LC <sub>50</sub> , 96 hours: 0.8 mg/l, Pimephales promelas (Fat-head Minnow) |
| Acute toxicity - aquatic invertebrates | EC <sub>50</sub> , 48 hours: 69.6 mg/l, Daphnia magna                        |
| <u>Chronic aquatic toxicity</u>        |                                                                              |
| M factor (Chronic)                     | 1                                                                            |

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### Ecological information on ingredients.

#### EUCALYPTOL

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Persistence and degradability | The substance is readily biodegradable. |
|-------------------------------|-----------------------------------------|

#### PARA CYMENE

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Persistence and degradability | There are no data on the degradability of this product. |
|-------------------------------|---------------------------------------------------------|

#### P MENTHA 1,4 (8) DIENE

|                               |                                       |
|-------------------------------|---------------------------------------|
| Persistence and degradability | The product is readily biodegradable. |
|-------------------------------|---------------------------------------|

#### 1-METHYL 4-ISO PROPYL-1-CYCLOHEXEN-8-OL

|                               |                                       |
|-------------------------------|---------------------------------------|
| Persistence and degradability | The product is readily biodegradable. |
| Biodegradation                | - Degradation 80%: 28 day             |

#### 2-PINENE

## TEA TREE OIL CT

**Persistence and degradability** The product is readily biodegradable.

### (R)-P-MENTHA-1,8-DIENE

**Persistence and degradability** Not readily biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

#### Ecological information on ingredients.

### EUCALYPTOL

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** log Pow: 2.97

### PARA CYMENE

**Bioaccumulative potential** No data available on bioaccumulation.

### 1-METHYL 4-ISO PROPYL-1-CYCLOHEXEN-8-OL

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** log Pow: 2.67

### (R)-P-MENTHA-1,8-DIENE

**Bioaccumulative potential** Potentially bioaccumulating.

**Partition coefficient** log Pow: 5.3

#### 12.4. Mobility in soil

**Mobility** No information available.

#### Ecological information on ingredients.

### EUCALYPTOL

**Mobility** The product is insoluble in water.

### PARA CYMENE

**Mobility** Not determined.

### 2-PINENE

**Mobility** The product is insoluble in water.

### (R)-P-MENTHA-1,8-DIENE

**Mobility** The product is insoluble in water.

#### 12.5. Results of PBT and vPvB assessment

## TEA TREE OIL CT

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### **EUCALYPTOL**

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

#### **PARA CYMENE**

**Results of PBT and vPvB assessment**      This substance is not classified as PBT or vPvB according to current EU criteria.

#### **(R)-P-MENTHA-1,8-DIENE**

**Results of PBT and vPvB assessment**      This substance is not classified as PBT or vPvB according to current EU criteria.

### **12.6. Other adverse effects**

**Other adverse effects**      None known.

### Ecological information on ingredients.

#### **EUCALYPTOL**

**Other adverse effects**      None known.

#### **PARA CYMENE**

**Other adverse effects**      No information available.

#### **(R)-P-MENTHA-1,8-DIENE**

**Other adverse effects**      Not determined.

## SECTION 13: Disposal considerations

### **13.1. Waste treatment methods**

**General information**      Do not puncture or incinerate, even when empty. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods**      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General**      Wear protective clothing as described in Section 8 of this safety data sheet.

### **14.1. UN number**

|                  |      |
|------------------|------|
| UN No. (ADR/RID) | 1169 |
| UN No. (IMDG)    | 1169 |
| UN No. (ICAO)    | 1169 |
| UN No. (ADN)     | 1169 |

### **14.2. UN proper shipping name**

## TEA TREE OIL CT

Proper shipping name (ADR/RID)      EXTRACTS, AROMATIC, LIQUID

Proper shipping name (IMDG)      EXTRACTS, AROMATIC, LIQUID (CONTAINS ALPHA-TERPINENE, PARA CYMENE)

Proper shipping name (ICAO)      EXTRACTS, AROMATIC, LIQUID

Proper shipping name (ADN)      EXTRACTS, AROMATIC, LIQUID

### 14.3. Transport hazard class(es)

ADR/RID class      3

ADR/RID classification code      F1

ADR/RID label      3

IMDG class      3

ICAO class/division      3

ADN class      3

Transport labels



### 14.4. Packing group

ADR/RID packing group      III

IMDG packing group      III

ADN packing group      III

ICAO packing group      III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS      F-E, S-D

ADR transport category      3

Emergency Action Code      3Y

Hazard Identification Number (ADR/RID)      30

Tunnel restriction code      (D/E)

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

Transport in bulk according to      Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

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

## TEA TREE OIL CT

### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### Inventories

#### EU - EINECS/ELINCS

All the ingredients are listed or exempt.

#### Canada - DSL/NDSL

All the ingredients are listed or exempt.

#### US - TSCA

All the ingredients are listed or exempt.

#### Australia - AICS

All the ingredients are listed or exempt.

#### Korea - KECI

Not listed.

#### China - IECSC

All the ingredients are listed or exempt.

#### Philippines – PICCS

All the ingredients are listed or exempt.

### SECTION 16: Other information

## TEA TREE OIL CT

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Key literature references and sources for data

Supplier's information.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

30/08/2018

### Version number

1.000

### SDS number

55756

### SDS status

Approved.

## TEA TREE OIL CT

**Hazard statements in full**

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.  
H411 Toxic to aquatic life with long lasting effects.

**Signature**

Jitendra Panchal