

## Material Safety Data Sheet

### EUCALYPTUS OIL MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** Eucalyptus oil

**CAS#:** 8000-48-4

**TSCA:** TSCA 8(b) inventory: eucalyptus oil

**CI#:** Not available.

**Synonym:**

**Chemical Name:** eucalyptus oil; eucalyptus oil;

dinkum oil; eucalyptus citriodora oil;

Yo-shu oil; ingalip; eucalyptus

**Chemical Formula:** C<sub>10</sub>H<sub>18</sub>O.

**Contact Information:**

**Pure Ingredients Limited**

626A Rosebank Road

Avondale

Auckland 1026

**Emergency Tel No:** 111 / NZ Poisons Centre

**0800 POISON** (0800 764 766) Emergency Response:

0800 CHEMCALL / 800 243 622 (24hr)

#### Section 2 : Composition and Information on Ingredients

**Composition:**

Name	CAS #	% by Weight
eucalyptus oil	8000-48-4	100%

**Toxicological Data on Ingredients:** Not available.

#### Section 3 : Hazard Identification

**Hazard Statement**

H317: May cause an allergic skin reaction.

H315: Causes skin irritation.

H226: Flammable liquids and vapors.

H304: Swallowing and entering the respiratory tract can be fatal.

H411: Toxic to aquatic life with long-lasting effects.

**Pictogram**



**Signal word**

dangerous

**Precautionary statement(s)**

P210 Keep away from heat sources / sparks / open flames / hot surfaces and forbid smoking.

P233 keep container tightly closed.

P240 Earthing / equipotential connection of container and loading equipment

P264 Clean thoroughly after operation.

P280 Wear protective gloves/ eye protection/ face protection.

P261 Avoid inhalation of dust / smoke / gas / smoke / vapor / spray.

P272 Contaminated overalls shall not be taken out of the workplace

P302+P352

Such as skin contamination: wash thoroughly with water.

P332+P313

If skin irritation occurs: seek medical advice / treatment.

P362+P364

Take off contaminated clothes and clean them before they can be re-made.

P305+P351+P338

If entering eyes, rinse carefully with water for a few minutes, If you wear contact lenses, remove the contact lenses and continue rinsing.

P337+P313

If you still feel eye irritation: seek medical advice / see a doctor.

**Other risk**

Causing skin irritation. May lead to skin allergy and serious eye irritation.

**Section 4 : First-aid measures**

## Description of first aid measures

### General advice

Remove contaminated soaked clothing and wash before reuse. Transfer the patient to a safe place. Consult a doctor. Show the chemical safety instructions to the doctor at the scene.

### If inhaled

Remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

### In case of skin contact

After contact with skin, wash immediately affected area with soap and plenty of water.

### In case of eye contact

In case of contact with eyes, rinse immediately with plenty of water for at least 10 minutes and seek medical advice.

### If swallowed

Rinse mouth with water (only if the person is conscious). Obtain medical advice.

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

The most important known symptoms and effects are described in the labelling..

### Indication of any immediate medical attention and special treatment needed

No data available

## Section 5: Fire and Explosion Data

**Flammability of the Product:** No data available.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** CLOSED CUP: 135 °F

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not available.

### Extinguishing media

#### Suitable extinguishing media

Water spray, carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.

#### Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

#### Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Isolate the accident site from irrelevant personnel.

#### Further information

Use water spray to cool unopened containers.

## Section 6: Accidental Release Measures

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

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area.

### **Environmental precautions**

To avoid possible contamination of the environment, Do not discharge into any drains, surface waters or groundwaters.

### **Methods and materials for containment and cleaning up**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors.

Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

## **Section 7: Handling and Storage**

### **Precautions for safe handling**

Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eyeshields and protective clothing. Smoking should not be permitted in work areas.

Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

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

To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources.

Keep in glass, suitable plastic, aluminum or laquer-lined containers.

Storage class (TRGS 510): Combustible liquids not in Storage Class 3

## **Section 8: Exposure Controls/Personal Protection**

### **Control parameters**

#### **Exposure controls**

#### **Appropriate engineering controls**

It is suggested that workplaces should be separated from other workplaces.

To prevent leakage.

Strengthen ventilated.

Set up automatic alarm device and emergency ventilation facilities.

Set up emergency evacuation channel.

Set the red zone warning line, Warning signs and Chinese warning instructions.

Provide safe shower and eye washing equipment.

#### **Personal protective equipment**

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

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

##### **Skin/Body Protection**

Skin and physical protection: wear gas permeable overalls.

##### **Respiratory protection**

Do not breath vapors. Mechanical exhaust required. In confined or poorly ventilated areas, the use of an appropriate

respiratory protection may be required.

#### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## **Section 9: Physical and Chemical Properties**

#### **Information on basic physical and chemical properties**

- a)** Appearance Form: Colorless or light yellow clear liquid.  
Odour: Having a camphoraceous smell and intensely irritative cool smell.
- b)** Odour Threshold: No data available
- c)** pH: No data available
- d)** Melting point/freezing point: No data available
- e)** Initial boiling point and boiling range: 207 °C(lit.)
- f)** Flash point: 52°C
- g)** Evaporation rate: No data available
- h)** Flammability (solid, gas): No data available
- i)** Upper/lower flammability or explosive limits: No data available
- j)** Vapour pressure: No data available
- k)** Vapour density: No data available
- l)** Relative density: 0.909 g/mL at 25 °C
- m)** Water solubility: No data available
- n)** Partition coefficient: noctanol/water No data available
- o)** Auto-ignition temperature: No data available
- p)** Decomposition temperature: No data available
- q)** Viscosity: No data available
- r)** Explosive properties: No data available
- s)** Oxidizing properties: No data available

#### **Other safety information**

No data available

## **Section 10: Stability and Reactivity Data**

#### **Reactivity**

No data available

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of hazardous reactions**

No data available

#### **Conditions to avoid**

Heat, excessive heat, open flames and other sources of ignition.

#### **Incompatible materials**

Strong oxidizing agents, strong reducing agents.

#### **Hazardous decomposition products**

No data available

Other decomposition products - No data available

In the event of fire: see section 5

## Section 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Irritating to respiratory system and skin.

Risk of serious damage to eyes.

May cause sensitisation by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Possible risk of harm to the unborn child.

Harmful: may cause lung damage if swallowed

#### Oral Toxicity(LD50)

Oral-Rat 7200.00 mg/kg PHARAT 14,435,1959

#### Dermal Toxicity(LD50)

Skin-Rabbit 4700.00 mg/kg FCTXAV 11,1067,1973

#### Skin corrosion/irritation

Skin-Rabbit 500.00 mg/24hours FCTXAV 11,1067,1973

#### Serious eye damage/eye irritation

Eye-Rabbit 500.00 mg severe AJOPAA 29,1363,1946

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity IARC:

No data available.

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

#### Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12: Ecological Information

### Toxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.

### Section 13: Disposal Considerations

#### Waste treatment methods

#### Product

Recycle as much as possible.

If it can not be recycled, it will be disposed of by incineration.

It is forbidden to dispose of this product by way of discharging to sewers.

#### Contaminated packaging

Dispose of in accordance with all federal, state and local environmental regulations.

### Section 14: Transport Information

#### UN number

UN 1993

#### UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### Transport hazard class(es)

3

#### Packaging group

III

#### Environmental hazards

ADR/RID: no      IMDG Marine pollutant: no      IATA: no

### Section 15: Other Regulatory Information

#### European information :

**Xi 34-43-41-37/38-36/37/38                      26-36/37/39-45**

**R 37/38 - Irritating to respiratory system and skin.**

**R 34- Causes burns**

**R 41 - Risk of serious damage to eyes.**

**R 43 - May cause sensitisation by skin contact.**

**S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**

**S 36/37/38 - Irritating to eyes, respiratory system and skin**

**S 36/37/39-Wear suitable protective clothing, gloves and eye/face protection**

**S 45 - In case of accident or if you feel unwell seek medical advice immediately.**

#### Reviews, standards, and regulations :

**EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION FEREAC 54,7740,1989 NOHS 1974: HZD 19710; NIS 12; TNF 1565; NOS 34; TNE 28889 NOES 1983: HZD 19710; NIS 79; TNF 6618; NOS 57; TNE 121331; TFE 44591 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY**

## Section 16: Other Information

**References:** Supplier's SDS

**Other Special Considerations:** Not available.

**Last Updated:** 29/3/2021 10:40 PM

*The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.*