

# Safety Data Sheet

## Eucalyptus Essential Oil

### SECTION 1: Identification

#### 1.1 Product identifier

|                |                                   |
|----------------|-----------------------------------|
| Product name   | Eucalyptus Essential Oil          |
| Substance name | Eucalyptus oil                    |
| INCI Name      | Eucalyptus globulus leaf/twig oil |
| EC no.         | 283-406-2                         |
| CAS no.        | 8000-48-4                         |

#### 1.3 Recommended use of the chemical and restrictions on use

No additional information available.

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1
- Flammable liquids, Cat. 3
- Aspiration hazard, Cat. 1

#### 2.2 GHS label elements, including precautionary statements

Pictogram

Safety Data Sheet  
Eucalyptus Essential Oil



Signal word

Danger

Hazard statement(s)

H315  
H317  
H226  
H304

Causes skin irritation  
May cause an allergic skin reaction  
Flammable liquid and vapor  
May be fatal if swallowed and enters airways

Precautionary statement(s)

P332+P313  
P264  
P362+P364  
P321  
P333+P313  
P302+P352  
P272  
P261  
P391  
P273  
P403+P235  
P303+P361+P353

If skin irritation occurs: Get medical advice/attention.  
Wash hands, forearms, and face thoroughly after handling.  
Take off contaminated clothing and wash it before reuse.  
Specific treatment (see supplemental first aid instructions on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water.  
Contaminated work clothing must not be allowed out of the workplace.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Collect spillage.  
Avoid release to the environment.  
Store in a well-ventilated place. Keep cool.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Take precautionary measures against static discharge.  
Use only non-sparking tools.  
Ground/bond container and receiving equipment.  
Keep container tightly closed.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, state, national and/or international regulation.  
Store locked up.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P280  
P243  
P242  
P240  
P233  
P210  
P501

P405  
P301+P310

**SECTION 3: Composition/information on ingredients**

3.1 Substances

Substance name  
EC no.  
CAS no.

Eucalyptus oil  
283-406-2  
8000-48-4

Other names / synonyms

Eucalyptus globulus leaf/twig oil; Eucalyptus oil; Eucalyptus citriodora oils;  
Eucalyptus 80/85 Chinese Oil; Eucalyptus macarthuri oils; Eucalyptus oil;  
Oils of eucalyptus; Oils, eucalyptus

Hazardous components

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## Eucalyptus Essential Oil

1. Eucalyptus oil  
Concentration 100 % (weight)  
EC no. 283-406-2  
CAS no. 8000-48-4

### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

|                         |   |
|-------------------------|---|
| General advice          | Never give anything by mouth to an unconscious person. If you feel Unwell, seek medical advise. Show the label or this safety data sheet when possible  |
| If inhaled              | Remove from exposure and move to fresh air immediately. Get medical assistance if cough or other symptoms develop.  |
| In case of skin contact | Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse. |
| In case of eye contact  | Flush eyes with water as a precaution.  |
| If swallowed            | DO NOT induce vomiting. Obtain emergency medical attention.   |

#### 4.2 Most important symptoms/effects, acute and delayed

|              |                                    |
|--------------|------------------------------------|
| Inhalation   | : May cause respiratory irritation |
| Skin Contact | : Slight irritation                |
| Eye Contact  | : Serious eye irritation           |
| Ingestion    | : Risk of lung edema               |

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Water Spray, Dry Powder, Foam, Carbon Dioxide.

#### 5.2 Specific hazards arising from the chemical

Irritating and toxic fumes may be produced at high temperatures.

#### 5.3 Special protective actions for fire-fighters

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

#### Further information

Use water spray to cool unopened containers.

### SECTION 6: Accidental release measures

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

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Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Emergency responders: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2 Environmental precautions

Should not be released into the environment.

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

Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site

Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Ground/bond container and receiving equipment. Store in full closed containers locked up in a cool dry area away from heat, light, and sources of ignition.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

1. Eucalyptus oil (CAS: 8000-48-4)

Not Applicable

#### 8.2 Appropriate engineering controls

Ensure Good Ventilation of the work station. Handle material in accordance with good industrial hygiene and safety practices. Avoid release into the environment.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

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Eye/face protection  
Wear chemical goggles or safety glasses.

Skin protection  
Wear protective gloves.

Body protection  
Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Respiratory protection  
Respiratory protection is normally not required in a well ventilated area. However, approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

Thermal hazards  
No data available

Environmental exposure controls  
Do not release into the environment.

### SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

|   |                                  |
|---|----------------------------------|
| Appearance/form (physical state, color, etc.) | Liquid; Colorless to pale yellow |
| Odor  | Herbal, Camphor, Eucalyptus      |
| Odor threshold                                | No data available                |
| pH  | No data available                |
| Melting point/freezing point                  | No data available                |
| Initial boiling point and boiling range       | No data available                |
| Flash point                                   | 48.9 °C                          |
| Evaporation rate                              | No data available                |
| Flammability (solid, gas)                     | No data available                |
| Upper/lower flammability limits               | No data available                |
| Upper/lower explosive limits                  | No data available                |
| Vapor pressure                                | No data available                |
| Vapor density                                 | No data available                |
| Relative density                              | 0.909 g/cm <sup>3</sup>          |
| Solubility(ies)                               | Insoluble                        |
| Partition coefficient: n-octanol/water        | No data available                |
| Auto-ignition temperature                     | No data available                |
| Decomposition temperature                     | No data available                |
| Viscosity                                     | No data available                |
| Explosive properties                          | No data available                |
| Oxidizing properties                          | No data available                |

Other safety information

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VOC content: 35.8 %  
Refractive index: 1.46 (1.458 - 1.470)

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity  
Flammable liquid and vapor
- 10.2 Chemical stability  
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions  
None under normal use conditions.
- 10.4 Conditions to avoid  
Avoid contact with hot surfaces as well as heat, flames, sparks, and all sources of ignition.
- 10.5 Incompatible materials  
Strong oxidizing agents
- 10.6 Hazardous decomposition products  
On combustion may produce smoke, carbon monoxide, and carbon dioxide.

**SECTION 11: Toxicological information**

Information on toxicological effects

Acute toxicity  
ATE US (oral) 2569 mg/kg body weight

Skin corrosion/irritation  
Irritating to skin.

Serious eye damage/irritation  
Causes eye irritation.

Respiratory or skin sensitization  
May cause an allergic skin reaction

Germ cell mutagenicity  
No mutagenic effects.

Carcinogenicity  
Not Classified

Reproductive toxicity  
No toxicity to reproduction.

STOT-single exposure  
Not Classified.

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STOT-repeated exposure  
No data available

Aspiration hazard  
May be fatal if swallowed and enters airways.

### SECTION 12: Ecological information

#### Toxicity

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Persistence and degradability  
No data available on product

Bioaccumulative potential  
No data available on product

Mobility in soil  
No data available

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

Other adverse effects  
Avoid release to the environment.

### SECTION 13: Disposal considerations

Disposal of the product  
Dispose of contents/container in accordance with licensed collector's sorting instructions as well as local, state, federal and/or international regulations. Flammable vapors may accumulate in the container.

Disposal of contaminated packaging  
Dispose of as unused product, following federal, state, and local regulations.

Waste treatment  
Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

Sewage disposal  
Avoid release into sewers or other public water ways.

### SECTION 14: Transport information

DOT (US)  
UN Number: UN1266 Perfumery products, 3, III  
Class: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Packing Group: III - Minor Danger  
Hazard Labels: 3 - Flammable Liquids

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Poison inhalation hazard: No

Packaging Non Bulk (49 CFR 173.xxx): 203

Packaging Bulk (49 CFR 173.xxx): 242

Special Provisions (49 CFR 172.102):

B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

Packaging Exceptions (49 CFR 173.xxx): 150

Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 60 L

Quantity Limitations Cargo aircraft only (49 CFR 175.75): 220 L

Vessel Stowage Location: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

Emergency Response Guide (ERG) Number: 127

IMDG

Transport document description: UN 1266 PERFUMERY PRODUCTS, 3, III

UN Number: 1266

Proper Shipping Name: PERFUMERY PRODUCTS

Class: 3 - Flammable liquids

Packing group: III - substances presenting low danger

Limited quantities: 5 L

IATA

Transport document description: UN 1266 Perfumery products, 3, III

UN Number: 1266

Proper Shipping Name: Perfumery products

Class: 3 - Flammable Liquids

Packing group: III - Minor Danger

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

Pennsylvania Right To Know Components

Eucalyptus globulus, ext.

CAS-No. 84625-32-1

New Jersey Right To Know Components



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## Eucalyptus Essential Oil

Eucalyptus globulus, ext.  
CAS-No. 84625-32-1

Canadian Domestic Substances List (DSL)  
Listed

Toxic Substances Control Act (TSCA) Inventory  
Listed

California Prop. 65 Components  
WARNING! This product contains myrcene, a chemical known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### HMIS Rating

| Eucalyptus oil      |   |
|---------------------|---|
| HEALTH              | 2 |
| FLAMMABILITY        | 2 |
| PHYSICAL HAZARD     | 0 |
| PERSONAL PROTECTION | H |

### NFPA Rating



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## SECTION 16: Other information

SDS Version: 1.0  
Revision Date: 12/05/2018

### 16.1 Further information/disclaimer

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