

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** **EUCALYPTUS OIL**

**Other name(s):** Oil of Eucalyptus; Oil of Eucalyptus 60% Cineole; Oil of Eucalyptus Citriodora 75%, Oil of Eucalyptus Radiata; Oil of Eucalyptus Residue; Oil of Eucalyptus Australian Mallee; Oil of Eucalyptus Industrial; Eucalyptus Oil 70/75 BP; PPEUC03050; AAOIL03050; Eucalyptus Oil 80/85% BP; Eucalyptus Oil 80/85%; PPEUC03070; Oil of Eucalyptus 80/85%; Oil of Eucalyptus Chinese; Eucalyptus Oil 80/85% Cineol; Eucalyptus Oil Cineol; Oil Eucalyptus 80/85% BP; AAOIL00330;

**Recommended Use:** Essential oil. Perfume or flavouring compound. Pharmaceutical applications.

**Supplier:** Bronson & Jacobs Pty Ltd  
**ABN:** 81 000 063 249  
**Street Address:** 70 Marple Avenue  
Villawood NSW 2163  
Australia  
**Telephone Number:** +61 2 8717 2929  
**Facsimile:** +61 2 9755 9611  
**Emergency Telephone:** **1 800 033 111 (ALL HOURS)**

## 2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

**Risk Phrases:** Flammable. Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. Harmful: May cause lung damage if swallowed.

**Safety Phrases:** Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. Avoid release to the environment. Refer to special instructions safety data sheets. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**Poisons Schedule:** S6 Poison.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Oils, Eucalyptus	8000-48-4	100%	R10 R36/38 R43 R51/53 R65

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once. Urgent hospital treatment is likely to be needed.

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**Inhalation:**

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:**

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water and soap. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye Contact:**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

**Ingestion:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Get to a doctor or hospital quickly.

**Medical attention and special treatment:**

Treat symptomatically. Delayed pulmonary oedema may result.

## 5. FIRE FIGHTING MEASURES

**Hazards from combustion products:**

Flammable liquid. On burning will emit toxic fumes, including those of oxides of carbon .

**Precautions for fire fighters and special protective equipment:**

Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Keep containers cool with water spray.

**Suitable Extinguishing Media:**

Alcohol resistant foam, dry agent (dry chemical powder or carbon dioxide). Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.

**Hazchem Code:** - 3Y

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:**

Shut off all possible sources of ignition. Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

**Methods and materials for containment and clean up:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use non-sparking tools. Collect and seal in properly labelled containers or drums for disposal. Wash area down with detergent and excess water.

## 7. HANDLING AND STORAGE

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

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## Conditions for safe storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

## Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children. May form flammable vapour mixtures with air. Vapour may travel a considerable distance to source of ignition and flash back. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Take precautionary measures against static discharges.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission.

### Engineering controls:

Use in well ventilated areas. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour/particulate respirator. Keep containers closed when not in use.

### Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.



Wear overalls, chemical goggles and impervious gloves. If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless to Pale Yellow
<b>Odour:</b>	Fresh , Camphoraceous
<b>Odour Threshold:</b>	Not available
<b>Solubility:</b>	Practically insoluble in water.
<b>Specific Gravity:</b>	0.88 - 0.93 @ 20°C
<b>Relative Vapour Density (air=1):</b>	Not available
<b>Vapour Pressure (20 °C):</b>	0.95 mmHg @ 25°C
<b>Flash Point (°C):</b>	43 - 56 (CC)
<b>Flammability Limits (%):</b>	Not available

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Autoignition Temperature (°C):	Not available
% Volatile by Volume:	100
Melting Point/Range (°C):	-14 to 12
Boiling Point/Range (°C):	174 - 176
Decomposition Point (°C):	Not available
pH:	Not applicable
Viscosity:	Not available
Partition Coefficient:	Not available

## 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.
Incompatible materials:	Incompatible with oxidising agents.
Hazardous decomposition products:	Oxides of carbon.
Hazardous reactions:	Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung). Swallowing may result in breathing difficulties. If ingested in quantity symptoms may include dizziness, muscular weakness and rapid pulse. In severe cases delirium and convulsions may occur.
Eye contact:	An eye irritant.
Skin contact:	Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract (airways). Overexposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

**Long Term Effects:**  
No information available for the product.

**Toxicological Data:**  
Oral LD50 (rat): 2,480 mg/kg (1)  
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Dermal LD50 (rabbit): 2,480 mg/kg (1)  
SKIN: Moderate irritant (rabbit). (1)

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways.

**Aquatic toxicity:** Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

**Terrestrial toxicity:** Slightly harmful in the soil environment. Harmful to terrestrial invertebrates.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:**  
Refer to local government authority for disposal recommendations. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for incineration by an approved agent.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.



**UN No:** 1993  
**Class-primary** 3 Flammable Liquid  
**Packing Group:** III  
**Proper Shipping Name:** FLAMMABLE LIQUID, N.O.S. (EUCALYPTUS OIL)  
**Hazchem Code:** - 3Y

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 1993  
**Class-primary:** 3 Flammable Liquid  
**Packing Group:** III  
**Proper Shipping Name:** FLAMMABLE LIQUID, N.O.S. (EUCALYPTUS OIL)

### Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 1993  
**Class-primary:** 3 Flammable Liquid  
**Packing Group:** III

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**Proper Shipping Name:** FLAMMABLE LIQUID, N.O.S. (EUCALYPTUS OIL)

## 15. REGULATORY INFORMATION

**Classification:** This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

**Hazard Category:**  
Xn: Harmful  
Xi: Irritant  
N: Dangerous for the Environment

**Risk Phrase(s):**  
R10: Flammable.  
R36/38: Irritating to eyes and skin.  
R43: May cause sensitisation by skin contact.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: May cause lung damage if swallowed.

**Safety Phrase(s):**  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S61: Avoid release to the environment. Refer to special instructions Safety Data Sheets.  
S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**Poisons Schedule:** S6 Poison.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

(1) 'Registry of Toxic Effects of Chemical Substances'. Ed. D. Sweet, US Dept. of Health & Human Services: Cincinnati, 2010.

This safety data sheet has been prepared by SH&E Shared Services, Orica.

**Reason(s) for Issue:**  
Revised Primary SDS  
Addition/Change of synonymous name(s)  
Change in Hazardous Substance Classification  
Alignment to HSNO requirements  
Update in Toxicological Information  
Update in Ecological Information.

# Safety Data Sheet



This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Bronson & Jacobs Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Bronson & Jacobs representative or Bronson & Jacobs Pty Ltd at the contact details on page 1.

Bronson & Jacobs Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

Bronson and Jacobs incorporating the businesses of Woods and Woods and Keith Harris.