

MATERIAL SAFETY DATA SHEET

TEA TREE OIL (AUSTRALIA)

Section 1: Identification of the substance/mixture and of the company/undertaking
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1.1. Product identifier

Product name: TEA TREE OIL AUSTRALIA

CAS number: 85085-48-9

EINECS number: 285-377-1

Index number: 3092

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

Use of substance / mixture: E.U Commodity Code: 3301 29 41

Country of Origin: Australia.

INCI Name: Melaleuca alternifolia.

1.3. Details of the supplier of the safety data sheet

G. Baldwin & Co.

173 Walworth Road,

LONDON, ENGLAND. SE17 1RW.

Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264

E-mail: info@baldwins.co.uk

Web: www.baldwins.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550
(office hours only)

Section 2: Hazards identification
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2.1. Classification of the substance or mixture

Classification under CLP:

Flam. Liq. 3: H226; Skin Corr. 1C: H314; Skin Sens. 1: H317; Aquatic Chronic
2: H411; -: EUH208

Most important adverse effects:

Contains beta-pinene. May produce an allergic reaction. Flammable liquid and
vapour.

Causes severe skin burns and eye damage. May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements: EUH208: Contains beta-pinene. May produce an allergic
reaction.

H226: Flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame

GHS05: Corrosion

GHS07: Exclamation mark

GHS09: Environmental

Signal words: Danger

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+352: IF ON SKIN: Wash with plenty of water/soap.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients
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3.2. Mixtures

Hazardous ingredients:

4-TERPINOL

EINECS CAS PBT / WEL CLP Classification Percent

209-235-5 562-74-3 -Skin Sens. 1B: H317 30-50%

P-MENTHA-1,4-DIENE

202-794-6 99-85-4 -Skin Irrit. 2: H315 10-30%

P-MENTHA-1,3-DIENE (SEE ALPHA-TERPENENE)

202-795-1 99-86-5 -Skin Sens. 1B: H317 1-10%

TERPINOLENE

209-578-0 586-62-9 -Skin Sens. 1B: H317; Asp. Tox. 1:

H304; Aquatic Chronic 1: H410; Flam.

Liq. 3: H226; Aquatic Acute 1: H400

1-10%

A-TERPINEOL

202-680-6 98-55-5 -Skin Irrit. 2: H315; Eye Irrit. 2: H319 1-10%

P-CYMENE

202-796-7 99-87-6 -Flam. Liq. 3: H226; Asp. Tox. 1: H304;

Aquatic Chronic 2: H411

1-10%

PINENE ALPHA

201-291-9 80-56-8 -Flam. Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1B: H317; Asp. Tox. 1:

H304

1-10%

LIMONENE

227-813-5 5989-27-5 -Flam. Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1: H317; Aquatic Acute 1:

H400; Aquatic Chronic 1: H410; Asp.

Tox. 1: H304

<1%

BETA-PINENE

204-872-5 127-91-3 -Flam. Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1B: H317; Asp. Tox. 1:

H304; Aquatic Acute 1: H400; Aquatic

Chronic 1: H410

<1%

Contains: Essential oil of *Melaleuca alternifolia*, Myrtaceae. (distilled)

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary.

If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Not applicable.

<h3>Section 5: Fire-fighting measures</h3>

5.1. Extinguishing media

Extinguishing media: Water spray. Carbon dioxide. Dry chemical powder. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes. Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Notify the police and fire brigade immediately. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing –see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

Refer to section 8 of SDS for personal protection details.

Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: 6 months from date of despatch if kept under optimum conditions.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless to pale straw

Odour: Characteristic odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Non-viscous

Flash point°C: 56 Part.coeff. n-octanol/water: 1.475 to 1.482

Vapour pressure: +5.0 to +15.0 Relative density: 0.885 to 0.906

pH: 50

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section II: Toxicological information
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II.1. Information on toxicological effects

Toxicity values:

Route Species Test Value Units

SKN RBT LD₅₀ >2000 mg/kg

ORL RAT LD₅₀ 1.9 ml/kg (nonSPF)

Hazardous ingredients:

LIMONENE

IVN MUS LD₅₀ 1010 µl/kg
ORL MUS LD₅₀ 5550 µl/kg
ORL RAT LD₅₀ 5300 mg/kg

Relevant hazards for product:

Hazard Route Basis

Skin corrosion/irritation DRM Hazardous: calculated
Serious eye damage/irritation OPT Hazardous: calculated
Respiratory/skin sensitisation DRM Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited.
There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations
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13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information
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14.1. UN number

UN number: UN1169

14.2. UN proper shipping name

Shipping name: Extracts, Aromatic, Liquid

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: I

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>.

May produce an allergic reaction.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



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