



AUSTRALIA NATURAL PRODUCTS

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(In Accordance with Regulation (EU) No. 1907/2006 and OSHA (US) 29 CFR 1910.1200 and 49 CFR) Product: Tamanu Oil

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier:

Product name: Tamanu Oil (Virgin / Cold-Pressed)

Chemical name / Botanical name: Calophyllum inophyllum (Tamanu) Seed Oil

CAS: 243284-33-3 (or 223748-12-7)

EC Number: Not specifically assigned (UVCB substance / Natural complex substance)

EC REACH Registration number: -

Index No / Inventory Num.: -

1.2 Usage:

This product is intended for use as an ingredient in the manufacturing of mixtures, including cosmetics, skincare, personal care formulations, and related industrial applications.

Strongly discouraged: Not intended for direct ingestion in large quantities. Avoid use by the general public except where appropriately formulated and labelled.

1.3 Details of the supplier:

Australia Natural Products

19 First Avenue, Rodd Point, NSW 2046, Australia

Email: info@australianatural.com.au

Tel: +61 452 101 623

1.4 24 Hour Emergency telephone number:

National Poisons Information Centre: 13 11 26 (Australia)

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

- Not classified as a hazardous substance or mixture according to CLP (Vegetable oils are generally non-hazardous under standard transport and supply conditions, though natural oils may cause mild skin/eye irritation or sensitization in sensitive individuals).

2.2 Label Elements

EC Number: Not assigned (UVCB)

Tamanu Oil

Signal word: Not applicable (Non-hazardous substance under standard GHS/CLP criteria)

Hazard Statements:

- No specific hazard statements apply under standard commercial cosmetic/skincare use.

Precautionary Statements:

- P262: Do not get in eyes, on skin, or on clothing.
- P264: Wash hands thoroughly after handling.
- P273: Avoid release to the environment (though biodegradable, large spills should be contained).

2.3 Other Hazards:

No additional hazards identified from the information available.

Section 3: Composition/Information on Ingredients

3.1 Substances

Concentration range of the constituent (% weight/weight)	EC Number / Registration Number	CAS number	Chemical Name
100%	Not assigned	243284-33-3	Calophyllum inophyllum Seed Oil (Cold-pressed Virgin Tamanu Oil)

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Consumption: If swallowed, rinse mouth with water. Do NOT induce vomiting unless advised by medical personnel. Seek medical attention if discomfort occurs.

Eye contact: Rinse cautiously with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Inhalation: Remove person to fresh air and keep at rest. Seek medical attention if symptoms persist.

Skin contact: Generally skin-safe and nourishing; however, if localized irritation or allergic reaction occurs, wash skin thoroughly with soap and water. Seek medical attention if irritation persists.

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

Mild irritation or rare allergic skin reaction may occur in sensitive individuals.

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

Treat symptomatically. No specific antidote known.

Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Recommended: Foam, dry powder, carbon dioxide (CO₂), or water fog. Do not use a full high-pressure water jet directly on burning oil to prevent spreading.

5.2 Special hazards arising from the substance or mixture:

Combustible liquid at elevated temperatures. Risk of self-ignition on rags, paper, or waste contaminated with plant oils if left unwashed.

5.3 Advice for firefighters:

Closed containers may build up pressure at elevated temperatures. Use appropriate respiratory protection and protective equipment.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes and prolonged contact with skin. Wear appropriate gloves and safety glasses. Floors may become slippery; exercise caution.

6.2 Environmental precautions:

Avoid large release to soil, sewers, drains and watercourses.

6.3 Methods and material for containment and cleaning up:

Contain the spill. Soak up with inert, absorbent material such as dry sand, earth, sawdust, or universal binder. Collect into suitable containers for disposal. Wash the spill site thoroughly with hot water and detergent.

6.4 Reference to other sections: See Sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling:

Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice. Ensure proper disposal of oily rags to prevent spontaneous combustion.

7.2 Conditions for safe storage, including any incompatibilities:

Keep the product in the original container, tightly sealed, in a cool, dry and well-ventilated area, protected from direct sunlight and heat sources.

7.3 Specific end use(s): Not available beyond the identified uses.

Section 8: Exposure controls/personal protection

8.1 Control parameters

No specific occupational exposure limit has been established for vegetable oils as a whole. Maintain good general ventilation.

8.2 Exposure controls

Engineering Controls-Ventilation: Areas where the product is handled should have adequate general ventilation.

Respiratory Protection: Not normally required under adequate ventilation.

Skin Protection: Compatible chemical-resistant or general protective gloves are recommended for prolonged handling.

Eye/Face protection: Safety glasses with side shields are recommended.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Viscous liquid (vegetable oil)

Color: Dark green to greenish-yellow / brownish-yellow

Odor: Characteristic nutty, earthy, robust aroma

Boiling Point: > 300 °C

Relative density: 0.910 – 0.940 g/cm³ at 20 °C

Refractive index: 1.470 – 1.490 at 20 °C

Flash Point: > 200 °C (closed cup)

Solubility in water: Insoluble

Section 10: Stability and reactivity

10.1 Reactivity: No significant reactivity hazards under normal conditions.

10.2 Chemical stability: Stable under recommended storage and handling conditions. Subject to oxidation if exposed to air and light for prolonged periods.

10.3 Possibility of hazardous reactions: None under normal processing.

10.4 Conditions to avoid: Excessive heat, open flames, direct sunlight, and exposure to air.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide, and acrid smoke/fumes upon thermal decomposition.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Non-toxic; standard plant-based carrier/cosmetic oil.

Skin corrosion/irritation: Generally non-irritating; mild irritation possible for sensitive skin.

Serious eye damage/irritation: Mild temporary discomfort if direct eye contact occurs.

Respiratory or skin sensitization: May cause sensitization in rare sensitive individuals.

Germ cell mutagenicity: No data indicating classification available.

Carcinogenicity: No data indicating classification available.

Reproductive toxicity: No data indicating classification available.

STOT-single exposure: No data indicating classification available.

STOT-repeated exposure: No data indicating classification available.

Aspiration toxicity: Not classified as an aspiration hazard under standard cosmetic/food grade vegetable oil profiles.

Section 12: Ecological information

12.1 Acute aquatic toxicity: Readily biodegradable, low ecotoxicity.

12.2 Persistence and degradability: Biodegradable.

12.3 Bioconcentration Factor: Not expected to bioaccumulate.

12.4 Mobility in soil: Low mobility in soil.

12.5 Results of PBT and vPvB assessment: Not determined.

12.6 Other adverse effects: Avoid large uncontained spills into waterways.

Section 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Dispose of containers and residues in accordance with applicable local, state and national regulations. Do not reuse contaminated containers without proper cleaning.

Disposal conditions: Dispose of through an approved waste-disposal facility.

Section 14: Transport information

14.1 International Carriage of Dangerous Goods by Road (ADR)

UN No.: Not regulated as a dangerous good (Non-hazardous for transport)

Proper Shipping Name: Not applicable

Packing Group: Not applicable

Class: Not restricted

14.2 Sea Transport (IMDG)

UN No.: Not restricted

Proper Shipping Name: Not applicable

Packing Group: Not applicable

Class: Not restricted

Marine Pollutant: No

14.3 Air Transport (ICAO/IATA)

UN No.: Not restricted

Proper Shipping Name: Not applicable

Packing Group: Not applicable

Class: Not restricted

Section 15: Regulatory information

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

Prepared with reference to Regulation (EC) No 1907/2006 (REACH), OSHA 29 CFR 1910.1200 and applicable requirements.

15.2 Chemical safety assessment: Not available.

Section 16: Other information

Key literature references and sources for data:

1. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
2. Occupational Safety and Health Administration (US), 29 CFR 1910.1200, Hazard Communication Standard.
3. Publicly available supplier technical data for Tamanu Oil (*Calophyllum inophyllum*).

Disclaimer: Information in this SDS is based on available published sources and is believed to be accurate. No warranty, express or implied, is made and the company assumes no liability resulting from the use of this SDS. Each user of this material needs to evaluate the conditions of use and design appropriate protective measures.

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End of Safety Data Sheet