



**MATERIAL DATA SAFETY SHEET: Tamanu Oil**  
Version: 1.0 Issued: 27<sup>th</sup> March 2018  
earthYard Pty Ltd : ABN 66 603 706 832

**NOT HAZARDOUS ACCORDING TO WORKSAFE CRITERIA**

#### SECTION 1 - MATERIAL & SUPPLY COMPANY IDENTIFICATION

**Product Name:** Tamanu Oil  
**Botanical Name:** *Calophyllum Inophyllum*  
**Recommended Use:** Cosmetic and aromatherapy ingredient.  
**Supplier:** EarthYard Pty Ltd  
**ABN:** 66 603 706 832  
**Address:** Unit 2, 1-3 Sommerville Circuit, Emu Plains, NSW Australia 2750  
**Telephone:** 02 4735 5379  
**Email:** [enquires@earthyard.com.au](mailto:enquires@earthyard.com.au)  
**Emergency Telephone:** 02 4735 5379 (Office Hours 9.00am - 5.00pm Mon-Fri)

#### SECTION 2 - HAZARD IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification (67/548/EEC): Not classed as hazardous  
Classification (EU 1272/2008): Not classed as hazardous

##### 2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008  
GHS Label: None  
Signal word: None  
Contains: No hazardous substances  
Hazards Statements: None  
Precautionary Statements: None  
Supplementary Precautionary Statements: None

#### SECTION 3 - PRODUCT COMPOSITION

3.1 Substances	CAS Number	EINECS Number	Proportions [%w/w]
Tamanu Oil	241148-25-4	310-127-6	100% pure

#### SECTION 4 - FIRST AID MEASURES

##### 4.1 Description of First Aid Measures

Inhalation: None  
Ingestion: None  
Skin Contact: Remove contaminated clothing and footwear. Wash affected areas with soap and water. Contact a physician as necessary.  
Eye Contact: Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids and remove any contact lenses. Seek medical attention if irritation continues

**4.2 Symptoms:** No symptoms known

##### 4.3 Indication of medical treatment:

Treat symptomatically. Note the nature of this product.

#### SECTION 5 - FIRE FIGHTING MEASURES

##### 5.1 Extinguishing Media:

Carbon Dioxide; Dry Chemical; Universal-Type Foam. Unsuitable Extinguishing Media: Water Spray; Others not established.



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**5.2 Special Hazards arising from the product:** This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container.

**5.3 Advice for firefighters:** In case of fire; use respirator

**5.4 Combustion Products:** Oxides of carbon.

**5.5 Contact Point:** Dial 000 Emergency in case of fire [In Australia] or Local Emergency Authority [Out of Australia].

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**6.1 Personal Precautions:** Remove sources of ignition, provide adequate ventilation, avoid contact with skin and eyes. Refer also to section 8.

**6.2 Environmental Precautions:** Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.

**6.3 Methods for Cleaning Up:** Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

#### SECTION 7 - SAFE HANDLING AND STORAGE INFORMATION

**7.1 Handling:** Keep containers sealed when not in use. Prevent spills and leaks to avoid slip hazard. Provide suitable mechanical equipment for the safe handling of drums and heavy packages.

**7.2 Storage:** Containers should be kept closed to minimise contamination. Store in a cool, dry, well ventilated place protected from light. Keep from extreme heat and away from ALL sources of ignition.

**7.3 Unsuitable Packaging Materials:** None established.

**7.4 Special Procedures:** None established.

#### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**8.1 Process conditions:** No special measures required

**8.2 Respiratory Protection:** No special measures required

**8.3 Ventilation Protection:** Ensure adequate ventilation of working area

**8.4 Eye Protection:** No special measures required

**8.5 Hand Protection:** No special measures required

**8.5 Other protection:** No special measures required

**8.6 Protective Equipment:** If required, wear goggles, gloves and overalls

**8.7 Special Engineering Controls:** None established.

**8.8 Other Personal Protection:** No special measures required  
Consult the following Australian Standards for general advice regarding safety clothing and equipment: Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS 2919**, Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS 2210**.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Appearance:** Light to dark green, oily liquid

**9.2 Odour:** Characteristic

**Odour Threshold:** Not available.



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<b>9.3 Specific Gravity:</b>	0.910 to 0.960 @ 20°C
<b>9.4 Optical Rotation:</b>	Not available
<b>9.5 pH:</b>	Not available.
<b>9.6 Solubility:</b>	Soluble in vegetable oils
<b>9.7 Solubility in Water:</b>	Insoluble
<b>9.8 Flash Point:</b>	>200°C [Closed Cup]
<b>9.9 Flammability Limits [as % v/v in Air]</b>	<b>Lower Explosion Limit:</b> Not available <b>Upper Explosion Limit:</b> Not available
<b>9.10 Autoignition Temperature:</b>	No additional data available
<b>9.11 Melting Point (°C):</b>	No additional data available
<b>9.12 Boiling Point (°C):</b>	>350 @ 760 mm Hg

#### SECTION 10 - STABILITY AND REACTIVITY

<b>10.1 Reactivity:</b>	Oxidation with atmospheric oxygen. Formation of free fatty acids
<b>10.2 Chemical Stability:</b>	Stable under recommended handling and storage conditions This material presents no significant reactivity hazard.
<b>10.3 Possible hazardous reactions:</b>	Reacts with oxidants
<b>10.4 Conditions to Avoid:</b>	Avoid heat, flames, sunlight and other sources of ignition
<b>10.5 Materials to Avoid:</b>	Strong oxidising agents
<b>10.6 Hazardous Decomposition Products:</b>	Product does not decompose with proper handling

#### SECTION 11 - TOXICOLOGICAL INFORMATION

<b>11.1 Acute Toxicity</b>	Non-toxic
<b>Oral:</b>	Not expected to be an irritant
<b>Skin:</b>	Not expected to be an irritant
<b>Inhalation:</b>	Not expected to be an irritant

#### SECTION 12- ECOLOGICAL INFORMATION

<b>12.1 Eco-toxicity:</b>	None established. Avoid pollution to soil, rivers and the ocean.
<b>12.2 Mobility:</b>	Low mobility in the soil.
<b>12.3 Persistence &amp; Degradability:</b>	Low persistence level and readily biodegradable.
<b>12.4 Bio-accumulative Potential:</b>	None established.
<b>12.5 Other Adverse Effects:</b>	None established.

#### SECTION 13- DISPOSAL CONSIDERATION

<b>13.1 Waste Material:</b>	Place material and/or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
<b>13.2 Contaminated Packaging:</b>	Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
<b>13.3 Note:</b>	Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well.

#### SECTION 14 - TRANSPORT INFORMATION



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- 14.1 Transportation:** Not Dangerous Goods according to criteria of the Australian Dangerous Goods Code for Transport by Road and Rail. No special transport required
- 14.2 UN Number:** Not allocated
- 14.3 Packaging Group:** Not allocated
- 14.4 DG Class:** Not allocated
- 14.5 Poison Schedule:** Not Scheduled
- 14.6 Hazchem Code:** Not allocated

**SECTION 15 - REGULATORY INFORMATION**

- 15.1 EU Classification:** Not dangerous according to REACH Regulation 1907/2006
- 15.2: GHS Labelling:** No signal word, pictograms, hazard or safety phrases required (EU Regulation 1272/2008 CLP)

**EU Directives:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.

**Statutory Instruments:** The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).

**Approved Code of Practice:** Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**SECTION 16 - ADDITIONAL INFORMATION**

This Material Safety Data Sheet was prepared according to:  
The National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011 (2003)]. The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. Native Oils Australia provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Material 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 thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a specific purpose. As the ordinary or otherwise use(s) of this product is outside the control of Native Oils Australia., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. Native Oils Australia expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Native Oils Australia as to the fitness for any use. The liability of Native Oils Australia is limited to the value of the goods and does not include any consequential loss. Native Oils Australia shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Native Oils Australia shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.