

## MATERIAL SAFETY DATA SHEET

### 1 - Identification of Product and Supplier

Product Name: **Tamanu Oil (Foraha), CP (Including Organic Grade)**

### 2 - Hazards identification:

Concentrated product. Observe good housekeeping procedures.

### 3 - Composition and information on ingredients:

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU guideline 548/67 and further amendments, nor to those having recognised exposition limits.

INCI Name: **Calophyllum Inophyllum Seed Oil**

Chemical composition: Calophyllum Inophyllum Seed oil is the fixed oil expressed from the seeds of *Calophyllum inophyllum*, *Hypericaceae*

CAS No: 241148-25-4

EINECS Number: N/A

Application: Antimicrobial, antioxidant, hair conditioning, oral care, skin conditioning, UV absorber, analgesic, anti-emetic, anti-infectious, anti-inflammatory, antimycotic, antineuralgic, antiseptic, antispasmodic, antiviral, carminative, insect repellent, immune stimulant, stomachic, nerve tonic, emifuge.

### 4 - First aid measures:

Inhalation: No vapours present at normal temperatures.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

Skin contact: Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

Ingestion: Rinse mouth out with water. Seek medical advice immediately.

Other: When assessing action take risk & safety phrases into account (section 15).

### 5 - Fire - Fighting measures:

Extinguishing media recommended: Use co2 dry powder or foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

### 6 - Accidental release measures:

<u>Personal precautions:</u>	Avoid contact with skin, eyes and clothes. Note that spillages constitute a slipping hazard. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
<u>Environment precautions:</u>	Keep away from drains, soils, surface and groundwaters.
<u>Cleaning up methods for spillages:</u>	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water and detergents. Observe state, federal and local disposal regulations.

## 7 - Handling and storage:

<u>Precautions in handling:</u>	Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges.
<u>Storage conditions:</u>	Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Keep air contact to a minimum
<u>Fire protection:</u>	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## 8 - Exposure controls and personal protection:

<u>Respiratory protection:</u>	No special measures under normal conditions.
<u>Hand protection:</u>	No special measures under normal conditions.
<u>Eye protection:</u>	Use safety glasses if there is a risk of splashing.
<u>Work/hygiene practices:</u>	Wash hands with soap & water after handling.

## 9 - Physical data and chemical properties:

<u>Appearance:</u>	Mobile clear oily liquid which will start to form a waxy deposit / soft paste when cold
<u>Colour:</u>	Greenish brown
<u>Odour:</u>	Fairly mild typical vegetable like. Free from rancid and foreign odours
<u>Refractive index @ 20°C:</u>	1.400 – 1.500
<u>Specific gravity @ 20°C:</u>	0.910 – 0.950
<u>Flash point (°C):</u>	>100

## 10 - Stability and Reactivity:

<u>Reactivity:</u>	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
<u>Decomposition:</u>	None (thermal decomposition products are H <sub>2</sub> O and CO <sub>2</sub> )

## 11 - Toxicological information:

Not known data

## 12 - Ecological information:

<u>Biodegradability:</u>	Data not available.
<u>Precautions:</u>	Prevent surface contamination of soil, ground & surface water.

## 13 - Disposal considerations:

Avoid disposing to drainage systems and into the environment. Seek expert advice.

## 14 - Transport information:

CUSTOMS TARIFF CODE: 1515 90 20 00  
ROAD (ADR/RID): N/A  
AIR (IATA): N/A  
SEA (IMDG): N/A  
CHIP: See section 15

#### 15 - Regulatory information:

According to Directive 88/379/EEC

Hazards: N/A  
Symbols: N/A  
Risk phrases: N/A  
Safety phrases: N/A

#### 16 - Other information:

Cosmetics Directive 7th Amendment: Not restricted

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes
Other plastic	Yes

Shelf Life: When stored within advised conditions, re-test after 12 months, and if in specification, check every 2 months.

#### Q.C. REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding it's' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

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