



Tamanu Oil

Safety Data Sheet

1. Identification of the Substance and of the Company

- 1.1 Identification of the substance: Trade name: Tamanu Oil
INCI name: Calophyllum inophyllum seed oil
- 1.2 Recommended use: Raw material for cosmetic formulations
- 1.3 Identification of manufacturer/distributor:
Manufacturer/distributor: Chemistry Connection
Street address: 253 Sturgis Road
Zip Code/City: Conway, AR 72034
Phone: (501) 470-9689

2. Hazards Identification

- 2.1 Special hazard for personnel and environment: Not to be expected if handled and used properly.

3. Composition/Information on Ingredients

- 3.1 Chemical description (mixture): Triacylglycerol
Common name: Tamanu Oil
CAS number:
EINECS no.:
Identification number(s): EU number: Not yet available

4. First Aid Measures

- 4.1 General measures:
- 4.2 Upon inhalation: Not a direct hazard. Remove from area of exposure, seek medical attention for coughing or choking.
- 4.3 Upon skin contact: Not dangerous under normal conditions.
- 4.4 Upon eye contact: Rinse thoroughly with a lot of water for some minutes.
- 4.5 Upon ingestion: Not a direct hazard.



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5. Fire Fighting Measures

5.1 General information:

5.2 Extinguishing media: Dry fire extinguisher, Carbon dioxide.

5.3 Not to be used extinguishing media: Water. But use water to cool fire exposed containers.

5.4 Special exposure hazard of substance or production, its combustion products and gases thereof: In case of insufficient ventilation, wear suitable respiratory equipment.
Combustion products: Irritation gases, Carbon monoxide, Carbon dioxide.

5.5 Special protection for firefighting purposes: According to size of fire. If necessary, full protection, gas mask with independent air supply.

6. Accidental Release Measures

6.1 Precautions related to personnel: Be careful! Danger of sliding possible. Avoid contact with eyes.

6.2 Precautions related to the environment: Try to avoid spilling. Do not empty into drain. Restrict spill to smallest possible area.

6.3 Procedure for clean-up/removal: Cover with absorbent material (e.g. Universal binding material, paper towels, sand, siliceous earth). Remove sources of ignition.

7. Handling and Storage

7.1 Handling: Keep away from sources of ignition - No smoking. Be careful! Danger of sliding possible. Do not heat in microwave oven. Avoid contact with eyes. Read the regulations on the label carefully.

7.2 Storage: Store product only in closed original packaging. Keep in a cool and dark place. Keep away from heat.
Requirement for storage facilities and containers: Air and waterproof glass or plastic resin containers. Uncoated containers not suitable.
Additional storage conditions remarks: The lower the storage temperature the better will be the storage stability.
Temperature: Refrigeration temperature (5-10°C).



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8. Exposure Controls / Personal Protection

- 8.1 Additional remarks for technical equipment devices: If necessary melt in water bath.
- 8.2 Personal protection devices:
Measures for general protection and hygiene:
Respiratory protection: No special respirator needed.
Hand/skin protection: Wear suitable gloves and normal protection clothing or apron.
Eye protection: Eye security glasses, with side shields.

9. Physical and Chemical Properties

- 9.1 Appearance:
Form: Oil
Colour: Pale yellow greenish
Odour: Characteristic
- 9.2 Data relevant to safety: Method (67/584/EU):
Change in physical state:
Melting point: Max 35°C
Boiling point: More than 300°C
Smoke point: 150 to 200°C
Flash point (AOCS Cc 9a-48): >250°C
Ignition temperature: >300°C
Autoflammability: None
Fire provoking characteristics: Temperature of more than 200°C and strong air circulation
Explosive properties: Not explosive
Explosion limits: Not explosive
Vapour pressure: Less than 0.001 mm Hg.
Density: 0.91 - 0.93 kg/m³ at 20°C
Water solubility: Insoluble
pH (10g/l): Neutral at 20°C
Distribution coefficient octanol/water: N/A
Viscosity: 25 to 40 mPa s at 37°C
- 9.3 Additional data:
Thermal decomposition: At temperature more than 150°C
Explosion limits: None



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10. Stability and Reactivity

10.1 General information.

10.2 Conditions to be avoided: Influence of light and heat.

10.3 Substance to be avoided: Protect from humidity and strong oxidising agents.

10.4 Dangerous decomposition product: Irritating gases: Carbon monoxide, Carbon dioxide.

11. Toxicological Information

11.1 Toxicological testing: No skin irritation, no eye irritation, no sensitisation.

11.2 Practical experience: Vegetable oils have been sold and used for thousands of years as foods and cosmetics.

11.3 General considerations: None

12. Ecological Information

12.1 Information on elimination: Readily biodegradable.

12.2 Behaviour in ecological settings: Degrading

12.3 Toxic effects on the ecosystem: None

12.4 Additional ecological information: N/A

13. Disposal Considerations

13.1 Product: Vegetable oil.
Suggested procedure: Suitable incineration plant. Take notice of national special regulations.
Disposal code: Suitable waste-disposal site.
Packaging not cleaned:

13.2 Suggested procedure: Flush with lukewarm water with any cleaning detergent.
Suggested detergent:



14.1 Land transportation ADR/RID and GVS/GGVE:

ADR/RID:

Warning board hazard number Substance number.

Further information:

Express:

Mail:

Further information:

IMDG/GGVSEE CLASS:

Marine pollutant:

Correct technical

Technical name:

Proper shipping name:

Further information:

Shipping symbols:

ICAO/IATA class:

Correct technical name:

Technical name:

Proper shipping name:

Further information:

Shipping symbols:

Packing regulations: PAC: Max. net:

CAO: Max. net:

the above mentioned regulations.

15.1 Labelling according to EU regulations:



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EU number: Not yet available

EU/R:

EU/S:

- 15.2 National regulations:
Classification according to
VbF: Water pollution class:
CAS number Substance WGK

16. Additional Information

N/A = Not Applicable

The above information only describes the safety requirements of the product(s) and is given in good faith and based on our current knowledge of the product(s).

The above information is not claiming characteristics of the product(s) in terms of legal claims of performance / guarantee.

To the best of our knowledge the information contained herein is correct. However, no responsibility or liability for any consequences arising from its use can be accepted, including possible patent infringement or other rights belonging to another party. Users should make their own tests for their purposes.