



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

HAZARDOUS ACCORDING TO WORKSAFE CRITERIA

SECTION 1 – MATERIAL & SUPPLY COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: CARDAMOM OIL
CAS No.: 8000-66-6
EINECS: 288-922-1

1.2 Relevant identified uses of the substance or mixture

No further relevant information available Application of the substance / preparation: Perfumes & cosmetics

1.3 Manufacturer / Supplier Details

Supplier: EarthYard Pty Ltd
ABN: 66 603 706 832
Address: Unit 2, 1-3 Sommerville Circuit, Emu Plains, NSW Australia 2774
Telephone: 02 4735 8594

1.4 Information in case of emergency

Emergency Telephone: 02 4735 5379 (Office Hours 9.00am - 5.00pm Mon-Fri)
Email: enquiries@earthyard.com.au

SECTION 2 - HAZARD IDENTIFICATION

2.1 Classification of the substance / preparation

Classification according to Regulation (EC) No. 1272/2008
Physical Hazard: F 3
Health Hazards: SC/I 2, SS 1, EI 2
Environmental Hazards: EH-C 2

2.2 Label Elements

Labeling according to Regulation (EC) No. 1272/2008

GHS Signal Word

DANGER



Hazard Statements

H226 Flammable liquid
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P273 Avoid release into the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a Poisons Centre or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing
 P501 Dispose of contents/the container in accordance with local government regulations

2.3 Other hazards

Allergens in accordance with Directive No 2003/15/EC

D-Limonene / Limonène (<= 4,0 %), Geraniol / Géraniol (<= 2,0%), Linalool / Linalol (<= 8,0%) Citral (Neral-/ Géraniol) (<= 2,0%)

SECTION 3 - PRODUCT COMPOSITION

3.1 Chemical Identification

Description: *Elletaria cardomomum seed oil*
CAS No.: 8007-75-8
EINECS No.: 289-612-9

3.2 Hazardous components

Constituent	CAS No.	EINECS	Regulation (EC) No 1272/2008	% by weight
Terpinyl acetate	8007-35-0	232-357-5	EH-A 2, H411	<= 45.0 %
1,8-cineole	470-82-6	207-431-5	F3, H226	<= 37.0 %
d-Limonene	5989-27-5	227-813-5	F3, H226; AT 1, H304; SI 2, H315; SS 1, H317	<= 4.0 %
Linalool	78-70-6	201-134-4	SI 2, H315	<= 8.0 %
α-Terpineole	98-55-5	202-680-6	SI 2, H315; EI 2, H319	<= 5.0 %
α-Pinene	80-56-8	201-291-9	F3, H226; AH1, H304; SS1, H317; EH-A 1, EH-C 1 H410	<= 3.0 %
Myrcene	106-24-1	204-622-5		<=4.0%
Terpinen-4-ol	562-74-3	209-235-5	AT-O 4, H302; SI 2, H315 EI 2, H319	
β-Pinene	127-91-3	204-872-5	F 3, H226; AH 1, H304 SS 1, H317; EH-A 1, EH-C 1 H410	<=2.0%
Citral (Geraniol + Neral)	5392-40-5	226-394-6	SS 2, H315; SS 1, H317	<=2.0%
Geraniol	106-24-1	203-377-1	SI 2, H315; ED 1, H318 SS 1, H317	<=2.0%
Trans-nerolidol	7212-44-4	230-597-5	EH-A 1, EH-C 1, H410	<=1.0%

SECTION 4 - FIRST AID

4.1 Description of first aid measures

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing.
Skin Contact: Remove any contaminated clothing and footwear. Clean before re-use. Wash affected areas thoroughly with soap and water. If irritation persists, seek medical attention
Inhalation: Remove individual from the exposure to fresh air. Contact a physician as necessary.
Ingestion: Not an expected route of exposure. If swallowed, DO NOT induce vomiting. Rinse mouth with water. Contact a physician or local poison centre immediately.
Contact Point: Poisons Information Centre Sydney Telephone: 131126

4.2 Most important symptoms and effects of substance, both acute and delayed

Eye contact: Causes serious eye irritation



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

Skin Contact: Causes skin irritation. May cause an allergic skin reaction
Inhalation: Not specified
Ingestion: Not specified

4.3 Indication of immediate medical attention and any special treatment required
No further relevant information available

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing Media
Suitable extinguishing agents: Carbon Dioxide; Dry Chemical; Alcohol-resistant foam.
Unsuitable Extinguishing Media: Water jet

5.2 Special hazards arising from the substance or mixture
In case of fire, the following may be released
Carbon monoxide (CO)
Unidentified organic compounds

5.3 Advice for firefighters
Protective equipment: Wear self-contained respiratory apparatus where ventilation is inadequate

Additional information
Collect contaminated firefighting water separately to prevent from entering waterways.
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, protective equipment and emergency procedures
Avoid inhalation. Avoid contact with skin and eyes. Use in well ventilated area. Do not smoke.

6.2 Environmental precautions
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up
Wipe up small spills with absorbent material such as paper cloth. Cover larger spills with sand, earth or other noncombustible absorbent material. Take precautionary measures against static discharges. Keep away from ignition sources, do not smoke and avoid flames. Dispose of contaminated material in accordance with local government regulations

6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin, eyes and avoid inhalation. Use glasses and protective gloves. Ensure there is adequate ventilation. Do not smoke. Take necessary action to avoid static discharge (which might cause ignition of organic vapors).

7.2 Conditions for storage



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat.

7.3 Incompatible products
None known based on information supplied.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters
No data available

8.2 Exposure Controls
Respiratory Protection Not generally required in well ventilated workplace
Ventilation Protection Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended
Eye Protection Use of goggles is recommended
Protective Gloves Use of chemical resistant (nitrile) gloves is recommended
Protective Clothing Use of chemical resistant clothing is recommended
Protective Equipment An eyewash station should be made available

8.3 Special Engineering Controls
None established.

8.4 Other Personal Protection
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**.

Note
These precautions are for room temperature handling. Use at elevated temperature applications may require additional precautions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

TEST	SPECIFICATION
Physical Appearance @ 20°C:	Colourless to pale yellow, mobile liquid
Odour:	Characteristic, cineolic and spicy
Odour Threshold:	N/A
Specific Gravity:	0.919 to 0.950 @ 20°C
Refractive Index:	1.462 to 1.468 @ 20°C
Optical Rotation:	+22.0° to +39.0°
pH:	N/A
Miscibility in Water:	Insoluble
Miscibility in Alcohol:	Soluble
Flash Point:	58°C (Closed cup)
Flammability Limits [as % v/v in Air]	
Lower Explosion Limit:	N/A
Upper Explosion Limit:	N/A
Autoignition Temperature:	Not specified
Melting Point:	Not specified
Boiling Point @ 760 mm Hg:	188°C
Vapour Pressure @ 760 mm Hg:	Not specified
Vapour Density (air = 1):	>1



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

SECTION 10 - STABILITY AND REACTIVITY

- 10.1 Reactivity**
This material presents no significant reactivity hazard
- 10.2 Stability**
Chemically stable material under the recommended storage and handling conditions in Section 7
- 10.3 Possibility of hazardous reactions**
When exposed to high temperatures, the substance may release hazardous decomposition products such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide
- 10.4 Conditions to avoid**
Do not heat above 46°C. Do not expose containers to the sun.
- 10.5 Incompatible materials**
Strong oxidising agents
- 10.6 Hazardous decomposition products**
No dangerous decomposition products expected by intended use

SECTION 11 - TOXICOLOGICAL INFORMATION

- 11.1 Substance Acute toxicity**
No data available.
- Skin corrosion/irritation**
Causes skin irritation. May cause an allergic skin reaction. See Section 3.
- Serious eye damage/irritation**
May be irritating to eyes. Prompt rinsing and removal of the substance will avoid damage.
- Respiratory sensitisation**
Exposure to vapors from this solvent exceeding the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.
- Germ cell mutagenicity**
No significant or critical hazards
- Reproductive toxicity**
No significant or critical hazards
- STOT-single exposure**
Not specified
- STOT-related exposure**
Not specified
- Aspiration hazard**
May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
- 11.2 Information on the likely routes of exposure**
Skin/scalp contact.



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

None known on available data

11.4 Delayed and immediate effects, and chronic effects from short-term and long-term exposure

Exposure to vapors from this solvent exceeding stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system. Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Acute fish toxicity: No data available
Toxicity to aquatic plants: Toxic to aquatic life with long term effects.
Toxicity to microorganisms: No data available
Toxicity threshold: No data available

12.2 Persistence and degradability

No data available

12.3 Bio-accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

Avoid exposure to marine environments and waterways

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Material

Do not pour into drains or waterways. Waste management to be carried out without risk to water, air, soil, plants or animals. Place waste material into sealed containers and dispose of in accordance with current applicable laws and regulations.

13.2 Contaminated Packaging

Recycle where possible and dispose of empty containers in accordance with current local government regulations.

SECTION 14 - TRANSPORT INFORMATION

14.1 UN Number

1169

14.2 UN Proper shipping name

Extracts, aromatic, liquid

14.3 Transportation hazard classes

Road and Rail Transport: DG Class 3



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail. Transport as per the "Australian Dangerous Goods Code" for Class 3 [Flammable Liquids], Packaging Group III Substances.

Marine Transport: IMDG Class 3 Flammable liquid

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport: IATA Class 3

Classified by the criteria of the International Air Transport Association as (IATA) Dangerous Goods Regulations for transport by air.



14.4 Packing group
III

14.5 Environmental hazards
Marine Pollutant. Avoid exposure to waterways.



14.6 Poison Schedule
Not listed as a poison

14.7 Hazchem Code
3 [Y]

SECTION 15 - REGULATORY INFORMATION

15.1 EU regulations
This product has been classified and marked in accordance with the EU Directives/Ordinance on Hazardous Materials.

15.2 Poisons Schedule (Aust): Not scheduled as a Poison by the SUSDP.
All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS). This material is neither hazardous nor dangerous.

SECTION 16 - OTHER INFORMATION

The information contained in this 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 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 the 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



MATERIAL DATA SAFETY SHEET: Cardamom Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

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.

Manufacturers Statement:

Essential oils are complex, naturally derived chemicals. Often the constituents of the EOs may individually have known risks and hazards, and in some cases the constituents have not been studied, often because there have been no complaints. Used as directed and within the limits specified by the various agencies and associations that study these materials, essential oils are safe and useful ingredients in flavours, fragrances, cosmetics and therapeutic applications. Please refer to the guidelines of the industry in which the product will be offered to the public to abide by the safest known practices. Those organizations include: IFRA, IFEAT, AHPA, ISO Standards for Essential Oils, and publications by various government health organizations regarding the use of these materials.