

SECTION 1: Identification

1.1. Identification

Product form : Substance
Substance name : Cardamom Oil
CAS No : 8000-66-6

1.2. Recommended use and restrictions on use

Recommended use : Ingredients used in Flavors and Fragrances.

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
www.camdengrey.com

1.4. Emergency telephone number

Emergency number : Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN330

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids, Category 3	Flammable liquid and vapour
Skin corrosion/irritation, Category 2	Causes skin irritation
Serious eye damage/eye irritation, Category 2A	Causes serious eye irritation
Sensitisation — Skin, category 1	May cause an allergic skin reaction
Hazardous to the aquatic environment — Chronic Hazard, Category 2	Toxic to aquatic life with long lasting effects

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

Flammable liquid and vapour
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/... equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Avoid breathing dust/fume/gas/mist/vapours/spray
Wash ... thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Avoid release to the environment
Wear protective gloves/protective clothing/eye protection/face protection
If on skin: Wash with plenty of water/...
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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Specific treatment (see ... on this label)
If skin irritation occurs: Get medical advice/attention
If skin irritation or rash occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
Wash contaminated clothing before reuse
In case of fire: Use ... to extinguish
Collect spillage
Store in a well-ventilated place. Keep cool
Dispose of contents/container to ...

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : Cardamom Oil
CAS No : 8000-66-6

Name	Product identifier	%	GHS-US classification
LINALYL ACETATE	(CAS No) 115-95-7	6	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Alpha-Terpineol	(CAS No) 98-55-5	5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
(R)-P-MENTHA-1,8-DIENE	(CAS No) 5989-27-5	4	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINALOOL	(CAS No) 78-70-6	4	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
PINENES (ALPHA OR BETA)		2	Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
GERANIOL	(CAS No) 106-24-1	1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
NEROLIDOL (ISOMER UNSPECIFIED)	(CAS No) 7212-44-4	1	Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CITRAL	(CAS No) 5392-40-5	0.6	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317

Full text of classification categories and H statements : see section 16

3.2. Mixture

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Watch out for any remaining product between skin and clothing, watches, shoes, etc.

First-aid measures after eye contact : Obtain medical attention if pain, blinking or redness persist. Wash thoroughly with soft, clean water for 15 minutes holding eye lids open.

First-aid measures after ingestion : Do NOT induce vomiting. Do not give patient anything orally. (If swallowed, seek medical advice immediately and show this container or label). Rinse mouth out with water.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. ABC-powder. BC-powder. Halons. Water spray.

Unsuitable extinguishing media : in the event of fire: do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : A fire will often produce a thick black smoke. Do not breathe smoke. On burning: release of carbon monoxide - carbon dioxide.

5.3. Special protective equipment and precautions for fire-fighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Do not allow to enter drains or water courses. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect absorbed substance in open drums. Do not use solvents or thinners. Clean up with detergents.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Remove contaminated clothing. Do not eat, drink or smoke when using this product. Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Wash hands immediately after handling the product. Flammable vapours heavier than air/can accumulate.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Storage area : Store in a well-ventilated place. Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

LINALYL ACETATE (115-95-7)

Not applicable

Alpha-Terpineol (98-55-5)

Not applicable

LINALOOL (78-70-6)

Not applicable

PINENES (ALPHA OR BETA)

Not applicable

GERANIOL (106-24-1)

Not applicable

NEROLIDOL (ISOMER UNSPECIFIED) (7212-44-4)

Not applicable

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CITRAL (5392-40-5)

Not applicable

(R)-P-MENTHA-1,8-DIENE (5989-27-5)

Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure that there is a suitable ventilation system.

8.3. Individual protection measures/Personal protective equipment

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: colourless to yellow
Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 54 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 175 - 300 kPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.92 - 0.94
Solubility	: Insoluble.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

At very high temperature: decomposes by releasing irritant gases/vapours.

10.4. Conditions to avoid

Heat. Open flame. humid air. Accumulation of electrostatic charges.

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10.5. Incompatible materials

Water.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Recycling is preferred to disposal or incineration. Do not allow into drains or water courses.

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

TDG

Not regulated

Transport by sea

Transport document description (IMDG) : UN 1169 Extracts, Aromatic, Liquid, 3, III
UN-No. (IMDG) : 1169
Proper Shipping Name (IMDG) : Extracts, Aromatic, Liquid
Class (IMDG) : 3 - Flammable liquids
Packing group (IMDG) : III - substances presenting low danger
Marine pollutant : Yes



Air transport

Transport document description (IATA) : UN 1169 Extract, Aromatic, Liquid, 3, III
UN-No. (IATA) : 1169
Proper Shipping Name (IATA) : Extract, Aromatic, Liquid
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

LINALOOL (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Full text of H-statements:

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.