



SAFETY DATA SHEET
TRADE NAME: CARDAMON SEED OIL
GUATEMALA

REVISION: 10.03.2016

1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Trade Name	CARDAMON SEED OIL GUATEMALA
	EINECS CAS Number	85940-32-5
	CAS Number	8000-66-6
	EC Number	288-922-1
1.2	Relevant Identified Uses of the Substance or Mixture and Uses Advised Against	Multiple uses in the Flavour and Fragrance industries.
1.3	Details of the Supplier of the Safety Data Sheet	The Soap Kitchen Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford, Devon EX39 3DX Tel: 01237 420872 (+44 (0)1237 420872) Email: it@thesoapkitchen.co.uk

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

Classification Under Regulation (EC) No 1272/2008:

Class and Category of Danger	Flammable Liquid, Hazard Category 3	
	Skin Corrosion/Irritation Hazard Category 2	
	Eye Damage/Irritation Hazard Category 2	
	Sensitisation – Skin hazard Category 1	
	Aspiration Hazard Category 1	
	Hazardous to the Aquatic Environment – Long-term Hazard Category 2	
	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.
	H319	Causes serious eye irritation.
	H411	Toxic to aquatic life with long lasting effects.

2.2 Label Elements:

Classification Under Regulation E(C) No. 1272/2008:

Signal Word	DANGER
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Hazard 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.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.

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P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+P378	In case of fire: Use Carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazard Pictograms:



Other Hazards	None.
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3 Composition/Information on Ingredients

3.1	Substances	Product Identifier	CARDAMON OIL GUATEMALAN
		EINECS CAS Number	85940-32-5
		CAS Number	8000-66-6
		EC Number	288-922-1

3.2 Contains:

Name	CAS	EC	Max.	Classification for (CLP) 1272/2008
Eucalyptol	470-82-6	207-431-5	32.00%	FL 3-SS 1B; H226-H317
Linalyl Acetate	115-95-7	204-116-4	8.00%	SCI 2-EDI 2; H315-H319
Linalool	78-70-6	201-134-4	5.00%	SCI 2-EDI 2-SS 1B; H315-H317-H319
d-Limonene	5989-27-5	227-813-5	3.50%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410

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Alpha Terpineol	98-55-5	202-680-6	3.00%	SCI 2-EDI 2; H315-H319
Myrcene	123-35-3	204-622-5	3.00%	FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-H319
Alpha Pinene	80-56-8	201-291-9	2.50%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410
Geraniol	106-24-1	203-377-1	2.00%	SCI 2-EDI 1-SS 1; H315-H317-H318
Citral	5392-40-5	226-394-6	1.50%	SCI 2-EDI 2-SS 1B; H315-H317-H319
Nerolidol (Isomer Unspecified)	7212-44-4	230-597-5	1.50%	EH A1-EH C1; H320-H410
Terpinolene	586-62-9	209-578-0	1.00%	SS 1B-AH 1-EH A1-EH C1; H304-H317-H410
Beta Pinene	127-91-3	204-872-5	1.00%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410

4 First Aid Measures

4.1	Description of First Aid Measures	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. IF ON SKIN (or hair): Remove/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.
4.2	Most Important Symptoms and Effects, both Acute and Delayed	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
4.3	Indication of Immediate Medical Attention and Special Treatment Needed	None expected, see Section 4.1 for further information.

5 Fire-fighting Measures

5.1	Extinguishing Media	Carbon dioxide, dry chemical, foam.
5.2	Special Hazards Arising from the Substance or Mixture	In case of fire, may be liberated: Carbon monoxide, unidentified organic compounds.
5.3	Advice for Fire-fighters	In case of insufficient ventilation, wear suitable respiratory equipment.

6 Accidental Release Measures

6.1	Personal Precautions, Protective Equipment and Emergency Procedures	Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.
6.2	Environmental Precautions	Keep away from drains, surface and ground water, and soil.
6.3	Methods and Material for Containment and Cleaning Up	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage

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		immediately by use of sand or inert powder. Dispose of according to local regulations.
6.4	Reference to Other Sections	Also refer to Sections 8 and 13.

7 Handling and Storage

7.1	Precautions for Safe Handling	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
7.2	Conditions for Safe Storage, Including any Incompatibilities	Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
7.3	Specific End Use(s)	Flavours, Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

8 Exposure Controls/Personal Protection

8.1	Control Parameters	Workplace Exposure Limits	Not applicable.
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8.2 Exposure Controls:

Eye/Skin Protection	Wear protective gloves/eye protection/face protection.
Respiratory Equipment	Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.

9 Physical and Chemical Properties

9.1 Basic Information on the Physical and Chemical Properties:

State	Very pale straw liquid.
Odour	Fresh, camphoraceous, spicy
Odour Threshold	Not determined.
pH	Not determined.
Melting Point/Freezing Point	Not determined.
Initial Boiling Point/Range	Not determined.
Flash Point	57°C
Evaporation Rate	Not determined.
Flammability (Solid, Gas)	Not determined.
Upper/Lower Flammability or Explosive Limits	Product does not present an explosion hazard.
Vapour Pressure	Not determined.
Vapour Density	Not determined.
Relative Density	0.9170-0.9470

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Solubility(ies)	Insoluble in water.
Partition Coefficient: n-octanol/water	Not determined.
Auto-ignition Temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive Properties	Not expected.
Oxidising Properties	Not expected.
9.2 Other Information	None available.

10 Stability and Reactivity

10.1 Reactivity	Presents no significant reactivity hazard, by itself or in contact with water.
10.2 Chemical Stability	Good stability under normal storage conditions.
10.3 Possibility of Hazardous Reactions	Not expected under normal conditions of use.
10.4 Conditions to Avoid	Avoid extreme heat.
10.5 Incompatible Materials	Avoid contact with strong acids, alkalis or oxidising agents.
10.6 Hazardous Decomposition Products	Not expected.

11 Toxicological Information

11.1 Information on Toxicological Effects:

Acute Toxicity	Based on available data the classification criteria are not met.	
	Acute Toxicity Oral	>5000
	Acute Toxicity Dermal	>5000
	Acute Toxicity Inhalation	Not available.
Skin Corrosion/Irritation	Skin Corrosion/Irritation Category 2.	
Serious Eye Damage/Irritation	Eye Damage/Irritation Category 2.	
Respiratory or Skin Sensitisation	Sensitisation – Skin Category 1.	
Germ Cell Mutagenicity	Based on available data the classification criteria are not met.	
Carcinogenicity	Based on available data the classification criteria are not met.	
Reproductive Toxicity	Based on available data the classification criteria are not met.	
STOT - Single Exposure	Based on available data the classification criteria are not met.	
STOT - Repeated Exposure	Based on available data the classification criteria are not met.	
Aspiration Hazard	Aspiration Hazard Category 1.	
Information about Hazardous Ingredients in the Mixture	Not applicable. Refer to Sections 2 and 3 for additional information.	

12 Ecological Information

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistence & Biodegradability	Not available.
12.3 Bioaccumulation Potential	Not available.
12.4 Mobility in Soil	Not available.
12.5 Results of PBT and vPvB Assessment	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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12.6	Other Adverse Effects	Not available.	
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13 Disposal Considerations			
13.1	Waste Treatment Methods	Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.	

14 Transport Information			
14.1	UN Number	UN1169	
14.2	UN Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID	
14.3	Transport Hazard Class(es)	3	
	Sub Risk	-	
14.4	Packing Group	III	
14.5	Environmental Hazards	This is an environmentally hazardous substance.	
14.6	Special Precautions for User	None additional.	
14.7	Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	

15 Regulatory Information			
15.1	Safety, Health and Environmental Regulations/ Legislation Specific for the Substance or Mixture	None additional.	
15.2	Chemical Safety Assessment	A chemical safety assessment has not been carried out for this product.	

16 Other Information			
16.1	Concentration % Limits	EH C2	26.32%
		EH C3	2.63%
		SCI 2	33.90%
		EDI 2	24.69%
		EDI 2A	23.81%
		SS 1	3.13%
		AH 1	90.91%
16.2	Total Fractional Values	EH C2	3.80
		EH C3	38.00
		SCI 2	2.95
		EDI 2	4.05
		EDI 2A	4.20
		SS 1	32.00
		AH 1	1.10

16.3 Key to Abbreviations:			
AH 1	Aspiration Hazard Category 1		
EDI 1	Eye Damage/Irritation Hazard Category 1		
EDI 2	Eye Damage/Irritation Hazard Category 2		
EH A1	Hazardous to the Aquatic Environment – Acute Hazard Category 1		
EH C1	Hazardous to the Aquatic Environment – Long-term Hazard Category 1		

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FL 3	Flammable Liquid, Hazard Category 3
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.
H320	Causes eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
P102	Keep out of reach of children.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P310	Immediately call a POISON CENTRE or doctor/physician.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use Carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
SCI 2	Skin Corrosion/Irritation Hazard Category 2
SS 1	Sensitisation – Skin Hazard Category 1
SS 1B	Sensitisation – Skin Hazard Category 1B

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WARNING/DISCLAIMER:

The information in this Material Safety Data Sheet is based on the properties of the material known to H Reynaud at the time the data sheet was issued. The safety data sheet is intended to provide information for health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. This document is not intended for quality assurance purposes.