

Cardamom

SHIRLEY PRICE AROMATHERAPY LTD The Old Factory 8 Hawley Road, Hinckley,
Leicestershire LE100PR Tel: 01455 615466

MATERIAL SAFETY DATA SHEET

ACCORDING TO EC LEGISLATION 91/155/E EC

Date created: August 2002

Date revised: June 2005

1. Identification:

Commercial name: Cardomom essential oil.
Botanical Nomenclature: Eliettaria cardamomum.
INCI name: Eliettaria cardamomum.
CAS number: 8000-66-6
EINECS CAS number: 93062-62-5.
EEC Number: 288-922-1

2. Composition:

Main components: 1,8-cineole, D-terpinyl acetate, Geraniol, Linalool, Sabinene,
D-pinene,
Myrcene, Geranyl acetate.
Additives (e.g. carriers, preservatives, antioxidants): Nil.

3. Potential Health Hazards:

Inhalation: None identified.
Skin: Concentrated liquid and vapours irritating to skin by prolonged exposure.
Eyes: Irritating to eyes with possible damage.
Ingestion: Harmful if swallowed.

4. First aid:

Inhalation: If discomfort is felt, remove person to a well ventilated area with
plenty of fresh
air.
Skin: Remove contaminated clothing. Wash affected area with plenty of soap and
water.
Eyes: Flush immediately with plenty of cool water for 10 to 20 minutes. Seek
medical advice
from a Medical Doctor.
Ingestion: Seek immediate medical care.

5. In case of fire:

Extinguishing Media: Foam, Carbon dioxide.
Do not use: Water.
Special precautions: wear breathing apparatus as toxic vapours may be released
during fire.

6. Spill and Leak Procedure:

Individual precautions: Eliminate sources of ignition. Keep area well
ventilated and isolate
the spill.
Environmental protection: Prevent the liquid from entering the drains and
sewers.
Cleaning methods: Soak up the spill using inert absorbents. For large spills
use pumps.

7. Handling and storage:

Store in a cool, dry and dark place in suitable containers (aluminium cans or
lacquer lined
steel drums).
Handle in a well ventilated area.
Keep away from sources of heat and ignition.

8. Personal Protection / Exposure control:

Respiratory protection: wear breathing apparatus when working in an area of high
vapour
concentration.

Skin protection: Use protective gloves. Wear protective clothing when
possibility exists of
contact.

Eye protection: Goggles should be worn.

Cardamom

General precautions: Use good industrial hygiene practise.

Clear oil

9. Physiochemical properties:

Appearance:

Sweet, warm, spicy, typical

Odour:

pH:

Neutral

Not available

Boiling point:

57°C

Flash point:

Autoignition Temperature:

Not available

Not available

Explosion Limits:

Vapour pressure (25°C):

Not available

>1 (air=1)

Vapour Density:

Specific Gravity (20°C):

0.917 to 0.940

Optical Rotation (20°C):

+20° to +40°

Refractive Index (20°C):

1.461 to 1.467

Solubility in water (20°):

Negligible

Partition Coefficient log P o/w:

Not available

Evaporation rate:

<1 (Butyl Acetate=1)

10. Stability and Reactivity:

Chemical stability: Stable.

Conditions to avoid: Normally stable. Not reactive with water.

Hazardous Decomposition Products: Not available.

Cardamom

11. Sensitisers:

Citral 0.6%, Geraniol 1.2%, Limonene 4%, Linalool 4%, total 9.8%

5 g/kg in rabbits.

12. Toxicological Information:

According to RIFM- Monograph:

Acute Toxicity: Oral LD50: 5 g/kg in rats.

Dermal LD50:

Irritation:

Tested without irritation at 4%.

Sensitisation:

Tested without sensitisation at 4%.

Phototoxicity:

No phototoxic reaction reported.

13. Ecotoxicological information:

Fish Toxicity: LCO/EC50: Not available.

Bacteriotoxicity: ECO/EC50: Not available.

14. Disposal Method:

Check Federal, State and Local Regulations.

15. Transport Information:

UN Number 1993: Proper shipping name: Flammable Liquid N.O.S.

Hazard Class: 3.3 Packing group: III

Transport Safety: Air (ATA/ICAO)

2/PAX309/CA310/III

Sea (IMDG-Code): 3.3/III

Rail (RID): 3.31c

Road (ADR): 3.31c

16. Regulatory Information

The British Essential Oil Association Chip Regulations 2002

Hazard Symbols: None

Risk Phrases:

R10

H/C %: -----

Safety Phrases: -----

DISCLAIMER: THE INFORMATION CONTAINED IN THIS MSDS IS OBTAINED FROM CURRENT AND RELIABLE SOURCES. HOWEVER, THE DATA IS PROVIDED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS CORRECTNESS OR ACCURACY. IT IS THE USERS RESPONSIBILITY TO

DETERMINE SAFE CONDITIONS FOR USE AND TO ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE OR EXPENSE RESULTING FROM IMPROPER USE OF THIS PRODUCT.

FOR AND ON BEHALF OF SHIRLEY PRICE AROMATHERAPY LTD:
P.I Brealey..... (MANAGING DIRECTOR)

DATE: