



اجراء مراقبة الجودة

QC:15

MATERIAL SAFETY DATA SHEET  
Cardamom CO<sub>2</sub> Extract  
CO<sub>2</sub>.011.001

شركة أبوتيك باي  
لخلاصات النباتات

## SECTION 1: Identification of the Product and the Company

**Product Name/ Commercial Name:** Cardamom CO<sub>2</sub> Extract

**Product Use:** In the food industry, cosmetics industry.

**Product Form:** CO<sub>2</sub> Extract

**Details on Manufacturer:**

Name: APOTEC BAY

Address: E2, Block G14, Industrial Zone, North Extension, Giza  
Governorate

Telephone: +201007054000

E-mail: [contactus@apotecbay.com](mailto:contactus@apotecbay.com)

**Details on Supplier:**

Name: APOTEC BAY

Address: E2, Block G14, Industrial Zone, North Extension, Giza  
Governorate

Telephone: +201007054000

Contact Person:

E-mail: [contactus@apotecbay.com](mailto:contactus@apotecbay.com)

### **Emergency Phone Number**

## SECTION 2: Composition and Information on Ingredients

<b><u>Component</u></b>	<b><u>CAS No.</u></b>	<b><u>Weight %</u></b>	<b><u>Molecular Weight</u></b>
Cardamom CO <sub>2</sub> Extract	96507-91-4	100 %	N/A

Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2; H315 H319 H317 H304 H411.

### **Chemical characterization**

INCI-Name (CTFA): Elettaria Cardamomum (Cardamom) Fruit Extract, CAS-no. 96507-91-4 EC-no. (EINECS/ELINCS): 306-171-0

## SECTION 3: Hazards Identification

**Classification according to  
Regulation (EC) No.  
1272/2008 [CLP]**

**Hazard categories**

Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Respiratory or skin sensitisation: Skin Sens. 1  
Hazardous to the aquatic environment: Aquatic Chronic 2

**Hazard Statements**

Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
Toxic to aquatic life with long lasting effects.

**Label elements**

**Signal word**

**Pictogram**

Danger

GHS07-GHS08-GHS09



**Hazard statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
Special skid risk by leaking/spilling product.

**Other hazards**

## SECTION 4: First Aid Measures

### Description of first-aid measures

<b>General Information:</b>	Seek medical attention if problems persist.
<b>After inhalation</b>	Provide fresh air.
<b>After contact with skin</b>	After contact with skin, wash immediately with plenty of water and soap.
<b>After contact with eyes</b>	In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
<b>After ingestion:</b>	Rinse mouth immediately and drink large quantities of water. Consult physician.

### Most important symptoms and effects, both acute and delayed

No data available

**Indication of any immediate medical attention and special treatment needed**

No data available

## SECTION 5: Fire Fighting Measures

### Extinguishing Media

- Suitable extinguishing media foam, Carbon dioxide CO<sub>2</sub>, powder
- Unsuitable extinguishing media Water spray.

### Special hazards arising from the substance or mixture

Flammable vapours can accumulate in steam space of closed systems.

### Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

## SECTION 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eye and clothing.  
Wear personal protection equipment.  
Provide adequate ventilation.  
Wear respiratory protection when in the presence of vapour, dust, and aerosols.

### Environmental precautions

Avoid release to the environment.

### Methods and material for containment and cleaning up

Take up with oil-absorbing compound. Remove mechanically, placing in appropriate containers for disposal.

## SECTION 7: Handling and Storage

### Precautions for Safe Handling:

#### Advice on safe handling

Avoid contact with skin, eye and clothing.  
Wear suitable protective clothing, gloves and eye/face protection.  
Do not breathe gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

### Conditions for Safe Storage, Including any Incompatibilities:

#### Requirements for storage rooms and vessels

Store in a well-ventilated place. Keep container tightly closed.



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## SECTION 8: Exposure Controls/ Personal Protection

### Control parameters

### Exposure controls

<b>Protective and hygiene measures</b>	Change contaminated clothing.
<b>Respiratory protection</b>	Do not breathe gas/fumes/vapour/spray. Respiratory protection required in case of: aerosol or mist generation.
<b>Hand Protection</b>	When handling chemical substances, chemical protective clothing with CE label (including a four digit code) must be worn. EN 374
<b>Eye/Face Protection</b>	Wear eye/face protection.
<b>Skin protection</b>	Only wear fitting, comfortable and clean protective clothing. Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

## SECTION 9: Physical and Chemical Properties

Appearance, Physical State:	Viscous liquid
Odor:	Characteristic.
Taste:	N/A
Color:	Brown
pH <sub>5.0-7.0</sub> :	N/A
Boiling Point	N/A
Melting Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Evaporation Rate	N/A
Flammability Limits (% LFL)	N/A
Upper/lower Explosive Limit	N/A
Density (20°C)	0.910 – 0.990 g/cm <sup>3</sup>
Flash point	> 65 °C closed cup
Solubility	Good soluble in fat form
Specific Gravity	N/A
Freezing Point	N/A
Ignition Temperature	N/A
Spontaneous Temperature	N/A

## SECTION 10: Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	No data available
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
<b>Incompatible materials</b>	Oxidizing agents.
<b>Further information</b>	No ignition, explosion, self-heating or visible decomposition.

## SECTION 11: Toxicological Information

### Information on toxicological effects

<b>Toxicocinetics, metabolism and distribution</b>	No data available.
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## SECTION 12: Ecological Information

<b>Toxicity</b>	No special environmental protection measures are necessary
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	No data available

## SECTION 13: Disposal Considerations

<b>Waste treatment methods</b>	<b>Advice on disposal</b>
	Waste disposal according to official state regulations.
<b>Waste disposal number of waste from residues/unused products</b>	160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste. Classified as hazardous waste.
<b>Contaminated packaging</b>	Waste disposal according to official state regulations.

## SECTION 14: Transport Information

### Land transport (ADR/RID)

UN number	UN 3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: limonene)
Transport hazard class(es)	9
Packing group	III



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Hazard label

9



Classification code

M6

Special Provisions

274 335 375 601

Limited quantity

5 L

Expected quantity

E1

Transport category

3

Hazard No

90

Tunnel restriction code

-

**Inland waterways transport (ADN)**

UN number

UN 3082

UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Contains: limonene)

Transport hazard class(es)

9

Packing group

III

Hazard label

9



Classification code

M6

Special Provisions

274 335 375 601

Limited quantity

5 L

Expected quantity

E1

**Marine transport (IMDG)**

UN number

UN 3082

UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains Limonene)

Transport hazard class(es)

9

Packing group

III

Hazard label

9



Special Provisions

274, 335, 969

Limited quantity

5 L

Expected quantity

E1

EmS

F-A, S-F

**Air transport (ICAO-TI/IATA-DGR)**

UN number

UN 3082

UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains Limonene)

Transport hazard class(es)

9

Packing group

III

Hazard label

9



Special Provisions	A97 A158 A197
Limited quantity Passenger:	30 Kg G
Passenger LQ	Y964
Excepted quantity	E1
IATA-packing instructions- Passenger	964
IATA-max. quantity – Passenger	450 L
IATA-packing instructions – Cargo	964
IATA-max. quantity – Cargo	450 L

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS Yes



Danger releasing substance:	Limonene
<u>Special precautions for user</u>	No data available
<u>Transport in bulk according to Annex II of Marpol and the IBC Code</u>	No data available

## SECTION 15:

## Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

<b>Employment restrictions</b>	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
<b>Water contaminating class (D)</b>	1 - slightly water contaminating
<b>Chemical safety assessment</b>	For this substance a chemical safety assessment is not required.

## SECTION 16:

## Additional Information

<b>Changes</b>	Reason for revision: general revision of whole document
<b>Relevant H and EUH statements (number and full text)</b>	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.