

Material Safety Data Sheet

SECTION 1.

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|-------------------------------|---|
| Product name | Cardamom Essential Oil |
| INCI name | Elettaria Cardamomum Seed Oil |
| CAS # | 8000-66-6 |
| Country of Origin | India |
| EINECS # | 288-922-1 |
| Product use | Cosmetic/Industrial |
| Supplier | Botanic Planet Canada Inc. |
| Address | 2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada |
| Telephone number | 905-455-4444 |
| Emergency phone number | (613)-996-6666 CANUTEC 24 HOUR EMERGENCY |

SECTION 2.

Emergency Overview

GHS Classification

Not classified.

GHS Label elements, including precautionary statements

Signal: Not applicable

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

SECTION 3.

| Product Name | Cas No | EC No | Concentration |
|-------------------------------|-----------|-----------|---------------|
| Elettaria Cardamomum Seed Oil | 8000-66-6 | 288-922-1 | 100% |

SECTION 4.

FIRST-AID MEASURES INHALATION EXPOSURE:

Normal inhalation is unlikely to produce adverse reactions. Use in well ventilated areas. In the event of adverse reactions. Remove to fresh air. Give oxygen and call a physician.

EYE CONTACT: Flush with water for 15 min without making eyes sore. Unsweetened Milk may help flush oil from eyes. Seek medical help if necessary.

SKIN CONTACT: Wash area with undiluted dishwashing liquid and flush with copious amounts of water. Seek medical help if necessary.

INGESTION: Flush from mouth with water or unsweetened milk. Administer water and call a physician or poison control center immediately. Do not induce vomiting.

SECTION 5.

FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon Dioxide, powder or water spray.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

SECTION 6.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Standard absorbents can be used.

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 7.

HANDLING AND STORAGE HANDLING

Avoid breathing in dust. To prevent explosion hazards, do not allow dust to settle on surfaces. It is recommended that all dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or explosion suppression systems. All conductive elements of the system that contacts this material should be electrically bonded and grounded.

STORAGE Store in a cool, well-ventilated area.

FIRE PROTECTION Keep away from ignition sources and naked flame.

SECTION 8.

EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

VENTILATION:

PROTECTIVE GLOVES: Rubber gloves

EYE PROTECTION: Splash-proof safety glasses.

RESPIRATORY: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Use appropriate NIOSH approved dust respirator if PEL/TLV may be exceeded.

OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash

SECTION 9.

PHYSICAL STATE AND APPEARANCE

Appearance: Colorless to pale-yellow liquid.

Odor: Characteristic cardamom spice odor.

Flash point: 50°C

Relative density: 0.907 to 0.954 @ 20 °C

Solubility: Soluble in alcohol and oils. Insoluble in water.

Refractive index: 1.454 0 to 1.472 @ 20°C

Optical rotation: +20° to +41° @ 20 °C

SECTION 10.

STABILITY AND REACTIVITY INCOMPATIBILITIES CONDITIONS TO AVOID: No materials present special reactivity hazards.

MATERIALS TO AVOID: Strong oxidizing agents

HAZARDOUS COMBUSTION PRODUCTS CO, CO₂, water

SECTION 11.

TOXICOLOGICAL INFORMATION ACUTE EFFECTS Most likely route of entry is through the skin. Full strength may be irritating to skin, mucous membranes and eyes.

THRESHOLD LIMIT VALUE (TLV): Not established OSHA PERMISSABLE EXPOSURE

LIMIT (PEL): Not established LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA ?

SECTION 12.

ECOLOGICAL INFORMATION GENERAL

Prevent contamination of soil, ground- and surface water.

SECTION 13.

DISPOSAL CONSIDERATION WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 14.

TRANSPORT INFORMATION Class Pack Group Sub. Risk UN No. IMDG Page Road (U.S.-DOT): UN 1169. Air (IATA): not regulated. Sea (IMDG): not regulated.


SECTION 15.

REGULATORY INFORMATION EUROPEAN INFORMATION There were no toxicological studies in the published literature to assign risk and safety phrases.

REVIEWS, STANDARDS, AND REGULATIONS EPA TSCA SECTION 8(B) CHEMICAL INVENTORY LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA? NO

SECTION 16.

Other Information: NONE



This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing contained herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada

Email:info@botanicplanet.ca www.botanicplanet.ca

Certificate of Analysis

Product: Cardamom Green Essential Oil
Botanical Name/INCI: Elettaria Cardamomum
Lot No: BPCCEO112023
Best Before: November 2027
Origin: India

Properties

Specifications

Results

Appearance: Colorless to very pale-yellow clear liquid. Complies

Odor: Characteristic sweet somewhat spicy odor. Complies

Solubility: Soluble in alcohol and oils. Insoluble in water. Complies

Specific Gravity: 0.9170 to 0.9470 @ 20°C 0.9264

Optical Rotation: +22.0° to +44.0° @ 20°C 27.75

Refractive Index: 1.4620 to 1.4660 @ 20°C 1.4635

Terpinyl Acetate: 35 – 48% 41.95

1,8-cineole: 28 - 36 % 34.03

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