

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Lemongrass Essential Oil
INCI name	Cymbopogon Flexuosus
CAS #	91844-92-7
Country of Origin	India
EINECS #	289-754-1
Product use	Perfumery/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. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1

Serious eye damage/eye Irritation - Category 2A

GHS Label elements, including precautionary statements

Signal: Not applicable

Hazard statement(s)

H317 May cause an allergic skin reaction.

H226 Flammable liquid and vapour

H401 Toxic to aquatic life

Precautionary statement(s)

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P321 Specific treatment (see section 4 on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists get medical advice/attention.

P362 Take off contaminated clothing.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container according to local regulations.

SECTION 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS No	EC No	Concentration
Cymbopogon Flexuosus Herb Oil	91844-92-7	289-754-1	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: Pale yellow liquid.

Odor: Characteristic citral odor.

Flash point: 71°C

Relative density: 0.8900 to 0.904 0 @ 25 °C

Solubility: Insoluble in water.

Refractive index: 1.480 to 1.489 @ 25 °C

Optical rotation: -5.0° to +1.0° @ 25 °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

NONE

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



BPC

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 container 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 Name: Lemongrass Essential Oil

Botanical Name/INCI: Cymbopogon flexuosus

Batch Number: BPCLEO122023

Expiry: December 2028

Note: Top to Middle Note

Origin: India

Properties	Specifications	Results
Appearance:	Pale yellow to yellowish brown liquid.	Complies
Odor:	Characteristic citral odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8850 to 0.9040 @ 25°C	0.8911
Optical Rotation:	-3.0° to +2.0° @ 25°C	-2.23
Refractive Index:	1.4790 to 1.4890 @ 25°C	1.4847
	Citral Content: 55 to 65 %	59.25
	Geraniol: 3 to 9.5 %	6.37
	Geranyl Acetate: 2.0 to 5.5 %	3.71

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