

Material Safety Data Sheet

1. PRODUCT & COMPANY INFORMATION

Product name	Turmeric Essential Oil
INCI name	Curcuma longa L
Country of Origin	India
Product use	Cosmetic/Personal Care
Supplier	BOTANIC PLANET CANADA INC.
Address	2 Bram Crt Unit # 3 & 4 Brampton Ontario
Telephone number	905.455.4444
Emergency phone number	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

GHS Classification	Not classified as dangerous goods.
GHS Label elements & precautionary statements	Not applicable
Hazard statement(s)	Not applicable
Precautionary statement(s)	Not applicable

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Eucalyptol	470-82-6	207-431-5	0.5 - 2 %
alpha-Phellandrene	99-83-2	202-792-5	0.5 - 2 %
Eugenol	97-53-0	202-589-1	0.05 - 0.8 %
dl-Limonene (racemic)	138-86-3	205-341-0	0.1 - 0.5 %
alpha-Pinene	80-56-8	201-291-9	0.05 - 0.5 %
beta-Pinene	127-91-3	204-872-5	0.05 - 0.5 %

4. FIRST AID MEASURES

Eye Contact	Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact	Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.
Inhalation	If inhaled, removed to fresh air. Get medical attention if symptoms appear.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Foam. Dry Powder. Carbon dioxide.
Special protective equipment and precautions for fire-fighters	Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog
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 dioxide

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and procedures:
Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.
Environmental Precautions:
Non-hazardous, but avoid direct releases to the environment.
Containment Equipment and Procedures:
Non-hazardous, but avoid direct releases to the environment.
Clean-up Procedures:
Pick up with absorbent material and collect for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:
No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other Exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.
Conditions for safe storage, including any incompatibilities
Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep Container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes	Use tightly sealed goggles.
Skin	If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment or move in open air.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pale yellow to orange yellow liquid.
Odor	:	Characteristic warm, spicy turmeric odor.
Melting Point/Freezing Point	:	Not available.
Flash point	:	66°C
Relative density	:	0.920 - 0.960 @ 20°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.500 - 1.520 @ 20°C
Optical rotation	:	-20° to +30°

10. STABILITY AND REACTIVITY

Reactivity	This material presents no significant reactivity hazard.
Chemical stability	The oil is stable under normal storage conditions. After opening, the oil is prone to air oxidation and may start to deteriorate after six months.

Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Avoid sparks, flame and other heat sources.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Not available.
Carcinogenicity	None of the components of this material are listed as a carcinogen.
Inhalation	Inhalation of high concentrations of vapour may result in irritation of eyes, nose and throat, headache, nausea, & dizziness.
Skin contact	Non toxic
Eye contact	Not available.
Single exposure	People allergic to the flower family may experience irritation.

12. ECOLOGICAL INFORMATION

Eco toxicity
Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local Municipal authority to ensure compliance.
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14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)	Not regulated.
IMO-IMDG Shipping Description (Sea)	Not regulated.
IATA Shipping Description (Air)	Not regulated.

15. REGULATORY INFORMATION

None

16. OTHER INFORMATION

Date Created November 21 st , 2022

Disclaimer & Caution

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PRODUCT NAME: - Turmeric Essential Oil

BOTANICAL NAME: - Curcuma longa L

LOT NO: -BPCTEO022022

EXPIRY DATE: -December 2025

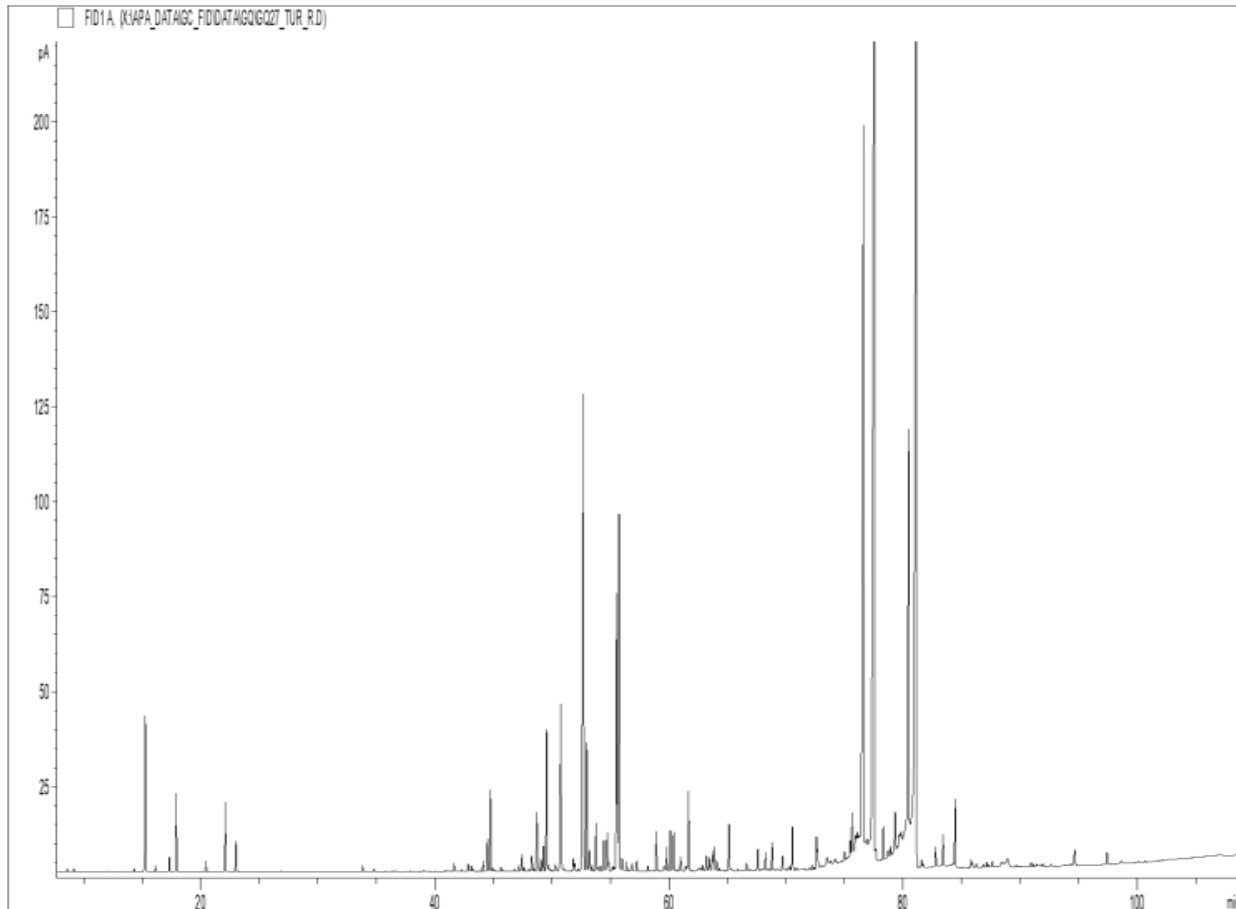
ORIGIN: - India

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	: Pale yellow to orange yellow liquid.	Complies
Odor	: Characteristic warm, spicy turmeric odor.	Complies
Solubility	: Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity	: 0.900 to 0.960 @ 25°C	Complies
Refractive Index	: 1.500 to 1.520 @ 20°C	Complies
Optical Rotation	: -20° to +30°	Complies
Turmerone	: 20 - 55 %	Complies

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Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada
Email: info@botanicplanet.ca www.botanicplanet.ca

GCMS ANALYSIS



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