

## **1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	Turmeric Essential Oil (India)
Botanical name	:	Curcuma longa L.
INCI name	:	Curcuma longa Root Oil
CAS #	:	84775-52-0
Country of Origin	:	India
Product use	:	Domestic and Industrial
Supplier	:	Botanic Universe
Address	:	295 Alliance Rd. Unit 12 Milton Ontario, Canada, L9T 4W8
Telephone number	:	1-877-509-6457

## **2. HAZARDS IDENTIFICATION**

### **Emergency Overview**

### **GHS Classification**

Skin Sensitization - Category 1

### **GHS Label elements, including precautionary statements**

Signal: Warning

### **Hazard statement(s)**

H317 May cause an allergic skin reaction.

### **Precautionary statement(s)**

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
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 soap and water.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P321	Specific treatment (see section 4 on this label).
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container according to local regulations.

## **3. COMPOSITION / INFORMATION INGREDIENTS**

<b>Product Name</b>	<b>CAS NO</b>	<b>EC NO</b>	<b>Concentration</b>
Bisabolene	495-62-5	207-805-8	1 - 3 %
Terpinolene	586-62-9	09-578-0	0.1 - 0.3 %

## **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.

**Ingestion**

Seek medical attention or contact local poison control center.

**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 for cooling exposed containers.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures.**

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

**Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Methods and materials for containment and cleaning up**

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

**7. HANDLING AND STORAGE****8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure controls**

Odor is inadequate to warn of overexposure.

**Eyes**

Wear safety glasses.

**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.

**Ingestion**

Not for ingestion.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	Pale yellow to orange yellow liquid.
Odor	:	Characteristic warm, spicy turmeric odor.
Melting Point/Freezing Point	:	Not available.
Flashpoint	:	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**

Chemically stable.

### **Possibility of hazardous reactions**

Hazardous Polymerization will not occur.

### **Conditions to avoid**

Strong oxidizing agents.

### **Incompatible materials**

None known.

### **Hazardous decomposition products**

When heated to decomposition produces toxic fumes and carbon monoxide smoke.

## **11. TOXICOLOGICAL INFORMATION**

### **Acute toxicity**

Terpinolene: (LD50 oral) - 3775 mg/kg

### **Carcinogenicity**

None of the components of this material are listed as a carcinogen.

### **Chronic toxicity**

May cause allergic reactions on skin

### **Reproductive toxicity**

No adverse effects on reproduction are known.

### **Inhalation**

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

### **Skin contact**

Adverse skin effects should be prevented by normal care and personal hygiene

### **Eye contact**

Adverse skin effects should be prevented by normal care and personal hygiene

### **Ingestion**

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.

### **Repeated exposure**

Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis).

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Very toxic to aquatic organism, may cause long-term adverse effects in the aquatic 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.

### **14. TRANSPORT INFORMATION**

#### **US DOT Shipping Description (Land)**

Not regulated.

#### **IMO-IMDG Shipping Description (Sea)**

Not regulated.

#### **IATA Shipping Description (Air)**

Not regulated.

#### **Emergency action in case of accident**

Notify police and fire department immediately

### **15. REGULATORY INFORMATION**

#### **GHS Hazard Statements**

Refer to Section 2.

#### **GHS Precautionary Statements**

Refer to Section 2.

### **16. OTHER INFORMATION**

Revision date : August 31, 2018

#### **Disclaimer & Caution**

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