

## I. PRODUCT AND COMPANY IDENTIFICATION

|                        |   |  |
|------------------------|---|--|
| Product name           | : | Turmeric Essential Oil                       |
| Botanical name         | : | Curcuma longa L.                             |
| INCI name              | : | Curcuma Longa Root Oil                       |
| CAS #                  | : | 8024-37-1/84775-52-0                         |
| Country of Origin      | : | India  |
| EINECS #               | : | 283-882-1                                    |
| Product use            | : | Domestic and Industrial                      |
| Supplier               | : | Candles and Supplies                         |
| Address                | : | 2580 Milford Square Pike Quakertown PA 18951 |
| Fax                    | : | 215-538-8175                                 |
| Telephone number       | : | 215-538-8552                                 |
| Emergency phone number | : | 800-819-6118                                 |

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Flammable liquids - Category 4

Skin Sensitization - Category 1

Hazardous to the aquatic environment, long-term hazard - Category 3

### GHS Label elements, including precautionary statements



Signal: Warning

### Hazard statement(s)

|      |   |
|------|---|
| H227 | Combustible liquid.                               |
| H317 | May cause an allergic skin reaction               |
| H412 | Harmful to aquatic life with long-lasting effects |

### Precautionary statement(s)

|      |  |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| 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 water.                             |
| P321      | Specific treatment (see section 4 on this label).                  |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention. |
| P363      | Wash contaminated clothing before reuse.                           |
| P370+P378 | In case of fire: Use appropriate fire extinguisher to extinguish.  |
| P403+P235 | Store in a well ventilated place. Keep cool.                       |
| P501      | Dispose of contents/container according to local regulations.      |

### 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.

#### 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

#### 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

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**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

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|                              |   |  |
|------------------------------|---|--|
| 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

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**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

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**Acute toxicity**

Eucalyptol:

LD50 (Oral) - 2480 mg/kg

Eugenol:

LD50 (Oral) - 2300 mg/kg

σ-Pinene

LD50 (Oral) - 3500 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).

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**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.

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**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.

**Emergency action in case of accident**

Notify police and fire department immediately

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**15. REGULATORY INFORMATION**

**California Proposition 65**

- This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**GHS Hazard Statements**

Refer to Section 2.

**GHS Precautionary Statements**

Refer to Section 2.

**I 6. OTHER INFORMATION**

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**Disclaimer & Caution**

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