

**1. PRODUCT AND COMPANY IDENTIFICATION**

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|------------------------|---|--|
| Product name           | : | Petitgrain Essential Oil                 |
| Botanical name         | : | Citrus aurantium                         |
| INCI name              | : | Citrus Aurantium                         |
| Country of Origin      | : | India                                    |
| Product use            | : | Domestic and Industrial                  |
|                        |   |  |
| Emergency phone number | : | (613)-996-6666 CANUTEC 24 HOUR EMERGENCY |

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**GHS Classification**

- Aspiration toxicity - Category 1
- Skin Corrosion/Irritation - Category 2
- Skin Sensitization - Category 1
- Serious eye damage/eye irritation - Category 1
- Hazardous to the aquatic environmet ,Chronic - Category 3

**GHS Label elements, including precautionary statements**



Signal: Danger

**Hazard statement(s)**

- |      |   |
|------|---|
| H304 | May be fatal if swallowed and enters airways.     |
| H315 | Causes skin irritation.                           |
| H317 | May cause an allergic skin reaction.              |
| H318 | Causes serious eye damage.                        |
| H412 | Harmful to aquatic life with long-lasting effects |

**Precautionary statement(s)**

- |      |  |
|------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. – No smoking      |
| P264 | Wash parts in contact thoroughly after handling.                       |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |

|                |  |
|----------------|--|
| P273           | Avoid release to the environment.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P301+P310      | IF SWALLOWED: Immediately call a POISON center or doctor/physician.  |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.                                 |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.     |
| 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.   |
| P402+P404      | Store in a dry place. Store in a closed container.   |
| P501           | Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes. |

### 3. COMPOSITION / INFORMATION INGREDIENTS

| Product Name    | CAS NO    | EC NO     | Concentration |
|-----------------|-----------|-----------|---------------|
| Limonene        | 5989-27-5 | 227-813-5 | 1 - 10 %      |
| Linalool        | 78-70-6   | 201-134-4 | 10 - 40 %     |
| Linalyl Acetate | 115-95-7  | 204-116-4 | 30 - 80 %     |
| beta-Pinene     | 127-91-3  | 204-872-5 | 0.5 - 3.0 %   |
| Geraniol        | 106-24-1  | 203-377-1 | 1.0 - 7.0 %   |
| Alpha-Terpineol | 98-55-5   | 202-680-6 | 1.0 - 9.0 %   |
| Myrcene         | 123-35-3  | 204-622-5 | 0.5 - 4.0 %   |

### 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.

#### Unsuitable extinguishing media

Water spray, water jet.

#### 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.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **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**

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### **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**

Store in well filled tight suitable containers; drums should only be considered as a means of transportation. Do not store with flammable or explosive materials and strong oxidizing agents. Keep drums tightly closed. Store dark, dry and under cold temperatures. Recommended storage temperature: 8-12°C.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **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.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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|                  |   |  |
|------------------|---|--|
| Appearance       | : | Pale yellow to amber-yellow liquid.                |
| Odor             | : | Characteristic pleasant, fresh-floral, sweet odor. |
| Flash point      | : | 75°C   |
| Relative density | : | 0.855 to 0.898 @ 20°C                              |
| Solubility (ies) | : | Soluble in alcohol and oils. Insoluble in water.   |
| Refractive index | : | 1.455 to 1.472 @ 20 °C                             |
| Optical rotation | : | -6.0° to +2.0° @ 20 °C                             |

## **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**

Avoid sparks, flame and other heat sources.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon Oxides.

**11. TOXICOLOGICAL INFORMATION**

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**Acute toxicity**

Values relevant for classification:

Cas: 5989-27-5 (R) - p-mentha-1,8-diene

LD 50 oral (rat) 4400mg/Kg.

**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**

Possible irritation should be prevented by wearing safety glasses.

**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

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

**Persistence and degradability**

Not available.

**Bio - accumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

**13. DISPOSAL CONSIDERATION**

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

**14. TRANSPORT INFORMATION**

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**UN Number**

3082

**UN proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Petitgrain oil)

**Transport hazard class**

9

**Packing group**

III

**US DOT Shipping Description (Land)**

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Petitgrain oil)

**Class**

9

**Packaging group**

III

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

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Petitgrain oil)

**Class**

9

**Packaging group**

III

**IATA Shipping Description (Air)**

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Petitgrain oil)

**Class**

9

**Packaging group**

III

**15. REGULATORY INFORMATION**

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**California Proposition 65**

This Product can expose you 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**

Please refer to section 2.

**GHS Precautionary Statements**

Please refer to section 2.

**16. OTHER INFORMATION**

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