

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

Product name : Valerian Root Essential Oil  
CAS # : 97927-02-1  
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**

Flammable liquids - Category 4

Skin Corrosion/Irritation - Category 2

Skin Sensitization - Category 1

Aspiration toxicity - Category 1

Hazardous to the aquatic environment, Chronic - Category 1

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



Signal: Danger

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

H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long-lasting effects.

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

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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/doctor.
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).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
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.
P391	Collect spillage.
P405	Store locked up.
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>
Bornyl acetate	76-49-3	-	10 - 30 %
Camphene	79-92-5	-	10 - 30 %
dl-Limonene (racemic)	138-86-3	-	1 - 3 %
Alpha-pinene	80-56-8	-	1 - 3 %
Myrtenyl acetate	1079-01-2	-	1 - 3 %
beta-Pinene	127-91-3	-	1 - 3 %
beta-Caryophyllene	87-44-5	-	1 - 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.

#### **Unsuitable extinguishing media**

Water spray, waterjet.

### **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**

### **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**

### **Exposure controls**

Odor is inadequate to warn of overexposure.

### **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**

Appearance	: Olive green to brown liquid.
Odor	: Characteristic warm, musk, woody odor.
Flashpoint	: 85 °C
Relative density	: 0.940 to 0.950 @ 25°C
Solubility (ies)	: Soluble in alcohol and oils. Insoluble in water.
Refractive index	: 1.500 to 1.5071 @ 25°C

## **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**

Avoid sparks, flame and other heat sources.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon Oxides.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

LD/LC50 values relevant for classification:

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.

**Ingestion**

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

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

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**

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.

**15. REGULATORY INFORMATION****GHS Hazard Statements**

Please refer to section 2.

**GHS Precautionary Statements**

Please refer to section 2.

**16. OTHER INFORMATION**

Revision date : June 22, 2018

**Disclaimer & Caution**

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