

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Eucalyptus Radiata Essential Oil
Product code	EO-EUCRA
Botanical name	Eucalyptus radiata
CAS #	92201-64-4
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

## 2. HAZARD(S) IDENTIFICATION

### GHS Hazard Classification

Flammable liquids - Category 3 - H226  
Aspiration hazard - Category 1 - H304  
Sensitisation, respiratory - Category 1 - H334  
Hazardous to the aquatic environment, acute hazard - Category 2 - H401  
Hazardous to the aquatic environment, long-term hazard - Category 2 - H411

### GHS Label Elements



Pictogram  
Signal Word

Danger

### Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.

P273  
P280

Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

P301+P310

If swallowed: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P331

Do NOT induce vomiting.

P342+P311

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P370+P378

In case of fire: CO2, dry chemical, or foam to extinguish.

P391

Collect spillage.

**Precautionary Statements - Storage**

P403+P235

Store in a well ventilated place. Keep cool.

P405

Store locked up.

**Precautionary Statements - Disposal**

P501

Dispose of contents/container in accordance with local/regional/national/international regulation.

**Hazards Not Otherwise Classified (HNOC)**

No data available.

---

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Product Name</u>	<u>CAS NO</u>	<u>Concentration</u>
Eucalyptol (1,8-cineole)	470-82-6	60 - 90%
Terpene Hydrocarbons	N/A	10 - 30%
Other Components	N/A	> 10%

---

### 4. FIRST-AID MEASURES

**Description of first aid measures**

**Eye Contact**

Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

**Skin Contact**

Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing Wash with soap and plenty of water. Seek medical attention if irritation persists.

**Inhalation**

Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of overexposure are dizziness and nausea.

**Ingestion**

Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

**Most important symptoms and effects, both acute and delayed**

No data available.

## **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

---

## **5. FIRE-FIGHTING MEASURES**

### **Extinguishing media**

Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature.

### **Specific hazards arising from the chemical**

No data available.

### **Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Further information**

No data available.

---

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### **Environmental precautions**

Keep away from drains, surface and groundwater. Report spills to appropriate authorities if required.

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

#### **Methods for containment**

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

#### **Methods for cleaning up**

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

---

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practices. Avoid inhalation of vapours or mist. Keep away from sources of ignition.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage conditions**

Keep in a dry, cool and well-ventilated place. Keep out of reach of children. Avoid direct sunlight.

#### **Incompatible materials**

None known based on information supplied.

---

---

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Exposure controls

#### Engineering controls

Provide showers, eyewash stations, and ventilation systems.

#### Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Avoid breathing (dust, vapor, mist, gas). Regular cleaning of equipment, work area, and clothing is recommended.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Colorless to pale yellow liquid
Odor	Characteristic eucalyptol odor with sweet undertone
Flash point	49°C (120.2 °F)
Specific gravity (@ 20°C)	0.906 - 0.926
Optical rotation (@ 20°C)	0.0 to +10.0
Refractive index (@ 20°C)	1.458 - 1.470
Solubility	Soluble in alcohol and oils. Slightly soluble.
Extraction method	Steam distillation of the wood and leaves

---

## 10 . STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possible hazardous reactions

No data available.

### Conditions to avoid

Avoid heat, sparks, and direct sunlight.

### Incompatible materials

Strong oxidizing agents.

**Hazardous decomposition**

None known based on information supplied.

---

**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity**

LD50 oral: > 2.48 g/kg (rat)

**Skin corrosion/irritation**

No data available.

**Serious eye damage/eye irritation**

No data available.

**Respiratory or skin sensitisation**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**Aspiration hazard**

No data available.

---

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

No data available.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

No data available.

---

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Dispose of product in accordance with local regulations.

**Contaminated packaging**

Do not reuse container.

---

---

## 14. TRANSPORT INFORMATION

### US DOT (Land)

UN/ID #	1993
Proper Shipping Name	Combustible liquid, n.o.s.
Hazard Class	NONE
Packing Group	III

### IMDG/IMO (Sea)

UN/ID #	1993
Proper Shipping Name	Combustible liquid, n.o.s.
Hazard Class	NONE
Packing Group	III
EMS-no	F-E. S-E

### IATA/ICAO (Air)

UN/ID #	1993
Proper Shipping Name	Combustible liquid, n.o.s.
Hazard Class	NONE
Packing Group	III

---

## 15. REGULATORY INFORMATION

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

### California Proposition 65

This product does not contain any Proposition 65 chemicals

### US State Right-to-Know Regulations

<u>Chemical Name</u>	<u>New Jersey</u>	<u>Massachusetts</u>	<u>Pennsylvania</u>	<u>Rhode Island</u>
Eucalyptus Radiata Oil (92201-64-4)	X		X	

---

## 16. OTHER INFORMATION

Creation date: 9/20/2013

Revision date: 8/17/2017

**Disclaimer & Caution:**

The information contained in Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of WFMed's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from WFMed with the clear understanding that all products must be used at the customer's own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. WFMed shall not be held responsible for any damages to the property or for any adverse physical effects ( including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process, WFMed strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the WFMed website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by WFMed as to the fitness for any use. As the ordinary or otherwise uses of this product is outside the control of WFMed no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of WFmed is limited to the value of the goods and does not include any consequential loss. WFmed shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.