

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Eucalyptus Essential Oil
Product code	EO-EUCAL
Botanical name	Eucalyptus globulus
CAS #	8000-48-4
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
Skin corrosion/irritation - Category 2 - H315

GHS Label Elements

Pictogram
Signal Word



Warning

Hazard Statements

H226
H315

Flammable liquid and vapour.
Causes skin irritation.

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.

P264

Wash face, hands and any exposed skin thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P303+P361+P353

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

P332+P313
P370+P378

If skin irritation occurs: Get medical advice/attention.
In case of fire: CO2, dry chemical, or foam to extinguish.

Precautionary Statements - Storage
P403+P235

Store in a well ventilated place. Keep cool.

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	80 - 85%

Trace Contents

pinene, limonene, terpene, cymene

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Flush eyes with water as a precaution.

Skin Contact

Wash with soap and plenty of water. Consult physician if irritation occurs.

Inhalation

Remove from exposure and move to fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Do NOT induce vomiting. Clean mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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 clear liquid
Odor	Characteristic eucalyptol odor
Flash point	47°C (116.6 °F)
Specific gravity (@ 20°C)	0.909 - 0.919
Optical rotation (@ 20°C)	0.0 to +5.0
Refractive index (@ 20°C)	1.458 - 1.465
Solubility	Soluble in alcohol and oils. Insoluble in water.
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 dermal: >5 g/kg (rabbit)

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)

Not regulated.

IATA/ICAO (Air)

Not regulated.

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	Yes
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 Oil (8000-48-4)	X		X	

16. OTHER INFORMATION

Creation date: 6/16/2012

Revision date: 8/10/2017

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