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MATERIAL SAFETY DATA SHEET

Eucalyptus Globulus

Section 1: Product and Company Identification

Product Name: Eucalyptus Oil, 70/72

INCI name: Eucalyptus globulus

EINECS: 1283-406-2

CAS No: 8000-48-4

Contact Information:

Plant Power, 2700 St Clair Ave. West Unit 3 Toronto, Ontario, Canada M6N 1M2 Contact: 1-416-766-1254 http://www.PlantPower.ca contactus@plantpower.ca	24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC
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Section 2: Composition and Information on Ingredients

Definition: Eucalyptus oil is the volatile oil obtained by the steam distillation of the fresh leaves of *Eucalyptus globulus* Labillardiere. (Fam. *Myrtaceae*).

H No: 330129 53 0

CAS No: 8000-48-4

Status: Natural

CoE No: 185

FEMA: 2466

Additives: None

FDA: 172.510

IFRA: See section 16

RIFM: Monograph

EINECS: 1283-406-2

FCCIV: Official

Application: Aromatherapy, skincare, inhalant blends, confectionary etc

INCI name: Eucalyptus globulus

Section 3: Hazards Identification



Xn Harmful; R10 Flammable liquid

Section 4: First Aid Measures

- Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
- Eye Contact: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.
- Skin Contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.
- Ingestion: Rinse mouth out with water. Seek medical advice **immediately**.
- Other: When assessing action take Risk & Safety Phrases into account (Section 15)

Section 5: Fire and Explosion

Extinguishing Media

- Recommended: Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
- Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
- Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

Section 6: Accidental Release Measures

- Personal precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
- Environment precautions: Keep away from drains, soils, surface & groundwaters.
- Cleaning up methods: Remove all potential ignition sources. Contain spilled material. Cover.
- For spillages: With an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

Section 7: Handling and Storage

Precautions in Handling:	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Conditions:	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
Fire Protection:	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

Section 8: Exposure Controls/Personal Protection Engineering

Respiratory Protection:	Avoid breathing product vapour. Apply local ventilation where possible.
Ventilation:	Ensure good ventilation of working area.
Hand Protection:	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection:	Use safety glasses.
Work/Hygiene Practice:	Wash hands with soap & water after handling.

Section 9: Physical and Chemical Properties

Colour:	Colourless to pale yellow.
Appearance:	Mobile liquid
Odour:	Fresh, reminding of cineol.
Flash Point:	47°C.
Relative Density, d ₂₅ :	0.8905 to 0.9250
Refractive Index @ 20°C:	1.4570 to 1.4700
Solubility in 70% Ethanol @ 20°C:	1 + 10 clear

Section 10: Stability and Reactivity

Reactivity:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
Decomposition:	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

Section 11: Toxicological Information

Not a sensitizers, not photo-toxic; however toxic to humans by **oral** route: oral-child TDLo 218mg/Kg; oral-man TDLo 375mg/Kg. See section 16.

Section 12: Ecological Information

Biodegradability:	Data not available
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Precautions: Prevent surface contamination of soil, ground & surface water.

Section 13: Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

Section 14: Transport Information

UN 1993: applies
Road (ADR/RID): Class 3
AIR (IATA): Class 3
SEA (IMDG): Class 3, page 3142
CHIP: See section 15

Section 15: Other Regulatory Information

According to Directive 88/379/EEC

Hazards: Harmful
Symbols: Xn
Risk Phrases: R10 Flammable liquid
R21/22 Harmful in contact with skin and if swallowed
Safety Phrases: S24/25 Avoid contact with skin & eyes
S16 Keep away from sources of ignition: No Smoking
S62 If swallowed, do not induce vomiting, seek medical advice immediately and show the container or label.

Section 16: Other Information

A source of Limonene, listed as a sensitizers. Check maximum usage levels for skin care products.

PACKAGING:

SHELF LIFE

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

Disclaimer:

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