SAFETY DATA SHEET (SDS)

Eucalyptus Oil

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Eucalyptus Oil 60 to 90%
CAS #	8000-48-4
EINECS #	283-406-2
Product use	Domestic and Industrial
Supplier	Cosmo Chemistry India Pvt. Ltd.
Address	Office No. 713, 7th Floor, Millennium Business Hub, Sarthana Jakatnaka, Varachha Main Road, Surat, Gujarat – 395006, India
Telephone number	+91 7984584838
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2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable Liquid - Category 3

Skin Corrosion/irritation - Category 2

Skin sensitization - Category 1

Aspiration hazard - Category 1

Hazardous to the aquatic environment - Chronic - Category 2

GHS Label elements, including precautionary statements

Signal: Danger

Hazard statement(s)

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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.
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.
P362	Take off contaminated clothing.
P370	In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Eucalyptus Globulus Leaf/Twig Oil	8000-48-4	283-406-2	100%

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, remove 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

Flammable liquid insoluble in water.

Small fire: Use DRY chemical powder, foam.

Large fire: Use water spray or fog. Cool contaminant vessels with water jet in order to prevent pressure buildup, auto-ignition or explosion.

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

Personal precautions, protective equipment and emergency procedures

Equip clean-up 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

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and showers are proximal to the work-station location.

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.

Exposure limit values

DNEL - General Population

Route	Long Term Exposure
Inhalation	2.04 mg/m³
Dermal	0.5 mg/kg
Oral	0.5 mg/kg

9. PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Value
Appearance	Colorless to pale yellow liquid.
Odor	Odor reminiscent of 1,8-cineole.
Flash point	45.5°C
Relative density	0.905 to 0.927 @ 20°C
Solubility(ies)	Soluble in 5 volumes of 70% ethyl alcohol.
Refractive index	1.4580 to 1.4650 @ 20°C
Optical rotation	0.0° to +10.0° @ 20°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

Oral toxicity: LD50: 2480 mg/Kg [Rat]

Acute Inhalation toxicity: LD50: 2480 mg/Kg [Rabbit]

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Chronic toxicity

May cause allergic reactions on skin.

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

Ecotoxicity

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

Persistence and degradability

Not available.

Bio-accumulative potential

Log Pow = 2.84

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Mode	UN Number	Proper Shipping Name	Class	Packing Group
UN Number / General	1993	Flammable liquid, n.o.s. (Alpha-pinene)	3	III
US DOT (Land)	1993	Flammable liquid, n.o.s. (Alpha-pinene)	3	III
IMO-IMDG (Sea)	1993	Flammable liquid, n.o.s. (Alpha-pinene)	3	III
IATA (Air)	1993	Flammable liquid, n.o.s. (Alpha-pinene)	3	III

15. REGULATORY INFORMATION

California Proposition 65

This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to 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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