

Material Safety Data Sheet Eucalyptus Oil

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name : Eucalyptus Oil
Molecular Formula : Not applicable
Molecular Weight : Not applicable
CAS No. : 8000-48-4

SECTION: 1.2 COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

Address: 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Eucalyptus Oil	8000-48-4	100

Toxicological Data on Ingredients: No Data Available

SECTION 3: HAZARD IDENTIFICATION

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapor.
 Skin Irrit. 2 H315 Causes skin irritation.
 Skin Sens. 1B H317 May cause an allergic skin reaction.
 Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

3.2 Label elements

Labelling according Regulation (EC) No



Pictogram

Signal word Danger

Hazard statement(s)

H226 Flammable liquid and vapor.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
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Indenta Chemicals (India) Pvt. Ltd.

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Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves and eye protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P331	Do NOT induce vomiting.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use foam, powder, or carbon dioxide for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Hazard Statements none

3.3 Other hazards

There are no other hazards not otherwise classified that have been identified.

SECTION 4: FIRST AID MEASURES

4.1 Description of first-aid measures

If inhaled

Supply fresh air; consult doctor in case of complaints.
 Provide oxygen treatment if affected person has difficulty breathing.
 In case of unconsciousness place patient stably in side position for transportation.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Remove contact lenses if worn.
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

If swallowed

Rinse out mouth and then drink plenty of water.
 Do not induce vomiting; immediately call for medical help.
 A person vomiting while lying on their back should be turned onto their side.

4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulty
 Coughing
 Allergic reactions
 Irritant to skin and mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.
 If necessary oxygen respiration treatment.

Later observation for pneumonia and pulmonary edema.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing media

Suitable extinguishing media

Foam

Gaseous extinguishing agents

Fire-extinguishing powder

Carbon dioxide

Water fog / haze

Unsuitable extinguishing media

Water stream.

Water spray

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapor.

5.3 Advice for firefighters

Wear self-contained respiratory protective device.

Wear fully protective suit.

5.4 Further information

Eliminate all ignition sources if safe to do so.

Cool endangered containers with water fog.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Keep away from ignition sources.

Protect from heat.

For large spills, wear protective clothing.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or Sewage system.

6.3 Methods and materials for containment and cleaning up

Towel or mop up material and collect in a suitable container.

For larger spills, add non-combustible inert binding material, then sweep up and discard.

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Avoid contact with the eyes and skin.

Keep out of reach of children.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

Flammable liquid and vapor.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizers, strong acids, strong bases.

Specific end use(s) No relevant information available.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Engineering controls:

Provide adequate ventilation.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Nitrile rubber, NBR

Neoprene gloves

Butyl rubber, BR

Natural rubber, NR

Eye protection:



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

Body protection:

Protection may be required for spills.

Limitation and supervision of exposure into the environment

No relevant information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Liquid Color: Colorless to pale yellow.
b) Odor	Characteristic
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	48 °C (118.4 °F) (closed cup)
h) Evaporation rate	No data available
i) Flammability (solid,gas)	Not applicable
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	0.91
n) Water solubility	Not miscible or difficult to mix.
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
t) Oxidizing properties	No data available

9.2 Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions

Flammable liquid and vapor.

Reacts with strong oxidizing agents.

Reacts with strong acids and alkali.

Used empty containers may contain product gases which form explosive mixtures with air.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

Toxic fumes may be released if heated above the decomposition point.

10.4 Conditions to avoid

Keep ignition sources away - Do not smoke.

Store away from oxidizing agents.

10.5 Incompatible materials

Oxidizers, strong bases, strong acids

10.6 Hazardous decomposition products

Under fire conditions only:

Carbon monoxide and carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

Organic Eucalyptus Oil

Oral LD50 2770-4500 mg/kg (rat)

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Based on available data, the classification criteria are not met.

Sensitization: May cause sensitization by skin contact.

IARC (International Agency for Research on Cancer):

Substance is not listed.

NTP (National Toxicology Program):

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration):

Substance is not listed.

Probable route(s) of exposure:

Ingestion.

Inhalation.

Eye contact.

Skin contact.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods**Recommendation:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Contaminated packaging

Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

DOT NA1993

ADR/RID/ADN, IMDG, IATA UN1169

14.2 UN proper shipping name

DOT Combustible liquid, n.o.s. (Eucalyptus Oil)

ADR/RID/ADN, IMDG EXTRACTS, AROMATIC, LIQUID

IATA Extracts, liquid, aromatic

14.3 Transport hazard class(es)

DOT



Class 3

Label 3

ADR/RID/AND



Class 3 (F1)

Label 3

IMDG, IATA



Class 3

Label 3

14.4 Packaging group

DOT, ADR/RID/ADN, IMDG, IATA III

14.5 Environmental hazards

Environmental hazards Product contains environmentally hazardous substances: Eucalyptus Oil

Marine pollutant:

Yes

14.6 Special precautions for user

Special precautions for user Warning: Flammable liquids

Danger code (Kemler): 30

EMS Number: F-E,S-D

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

14.8 Transport/Additional information:

• DOT

• **Remarks:** Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.

• **ADR/RID/AND**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each. Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 5.2.1.8.1)

• **IMDG**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each. Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 2.10.2.7)

• **IATA**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each / 10 L net.

SECTION 15: OTHER REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****United States (USA)****SARA****Section 302 (extremely hazardous substances):**

Substance is not listed.

Section 355 (extremely hazardous substances):

Substance is not listed.

Section 313 (Specific toxic chemical listings):

Substance is not listed.

TSCA (Toxic Substances Control Act)

Substance is listed

Proposition 65 (California)**Chemicals known to cause cancer:**

Substance is not listed.

Chemicals known to cause developmental toxicity for females:

Substance is not listed.

Chemicals known to cause developmental toxicity for males:

Substance is not listed.

Chemicals known to cause developmental toxicity:

Substance is not listed.

EPA (Environmental Protection Agency):

Substance is not listed.

IARC (International Agency for Research on Cancer):

Substance is not listed.

Canadian Domestic Substances List (DSL): (Substances not listed.)

Substance is listed.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of Indenta Chemicals (India) Pvt. Ltd. knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any Laws or Regulation. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from Indenta Chemicals (India) Pvt. Ltd. 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. Indenta Chemicals (India) Pvt. Ltd. shall not be held responsible for any damages to 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, Indenta Chemicals (India) Pvt. Ltd. strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the Indenta Chemicals (India) Pvt. Ltd. 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 Indenta Chemicals (India) Pvt. Ltd. as to the fitness for any use. As the ordinary or otherwise use(s) of this product is outside the control of Indenta Chemicals (India) Pvt. Ltd., 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 Indenta Chemicals (India) Pvt. Ltd. is limited to the value of the goods and does not include any consequential loss. Indenta Chemicals (India) Pvt. Ltd. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.