

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : August 31,2018

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Eucalyptus Radiata Essential Oil
Botanical name	:	Eucalyptus radiata
INCI name	:	Eucalyptus Radiata Leaf/Stem Oil
CAS #	:	92201-64-4
Country of Origin	:	Australia
EINECS #	:	295-995-3
Product use	:	Domestic and Industrial

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable Liquid - Category 3

Acute toxicity (oral), Hazard - Category 4

Skin Corrosion/Irritation - Category 2

Aspiration Hazard - Category 1

Skin Sensitization - Category 1

Hazardous to aquatic environment, chronic hazard - Category 2

GHS Label elements, including precautionary statements



Signal: Warning

Hazard statement(s)

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
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.
P233	Keep container tightly closed.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician IF you feel unwell.
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.
P312	Call a POISON CENTER or doctor/physician IF you feel unwell.
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P337+P313	If eye irritation persists get medical advice/attention.
P370	In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish.
P403	Store in a well ventilated place.
P501	Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Eucalyptus Radiata Leaf/Stem Oil	92201-64-4	295-995-3	100 %

4. FIRST AID MEASURES**Eye contact**

Causes serious eye irritation. If in eyes, Immediately flush eyes with plenty of cool water for at least 15 minutes. Remove contact lenses if worn and accessible. Get medical attention if irritation occurs.

Skin contact

Wash contacted area thoroughly with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if irritation develops.

Inhalation

If fumes or vapours are inhaled, or breathing difficulty is experienced, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention if breathing difficulty persists.

Ingestion

If the chemical is swallowed, call a physician or poison control centre for the most current information. If no professional advice is available, DO NOT induce vomiting, rinse the mouth. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions or who cannot swallow. Victims of chemical exposure must be taken for medical attention. Take a copy of the label and SDS with the victim to a health professional.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

Carbon dioxide, foam, dry chemical, halon or water fog/mist.

Unsuitable extinguishing media

Do not use full water jet.

Special protective equipment and precautions for fire-fighters

Incipient fire responders should wear eye protection. Structural fire fighters must wear self-contained breathing apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise keep containers cool with carefully applied water spray/mist. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas.

Special hazards arising from the substance or its combustible products

This product is flammable & vapours may travel some distance and flash back if ignited. May produce toxic fumes of carbon monoxide and/or carbon dioxide and hydrocarbons if burning.

Resulting gases

Carbon oxides, fumes of carbon oxides and hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Proper protective equipment should be used (see Section 8). Personnel should be trained for spill response operations. Trained personnel following pre-planned procedures should handle non-incident releases.

Environmental precautions

Prevent run-off into drains and waterways. Decontaminate area thoroughly. Do not mix with wastes from other materials. Dispose of in accordance with applicable Federal, State and Local procedures (see Section 13).

Methods and materials for containment and cleaning up

Contained spilled material using poly-pads or other suitable absorbent material. Avoid generating mists or sprays. Place all spill residues in an appropriate container and seal. Ventilate area and wash spill area after material pick up is complete.

7. HANDLING AND STORAGE

Precautions for safe handling

Read all labels before use. As with all chemicals; avoid getting this product on you or in you. Wear protective equipment (see Section 8) and wash thoroughly after handling this product. Do not eat, drink or smoke or apply cosmetics while handling this product. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities

Observe all Federal and State regulations pertaining to the storage and handling of flammable liquids. Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use. Store away from sources of heat or ignition (sparks, open flame, hot surfaces). Store away from incompatible materials (oxidizing agents and acids). Inspect regularly for damage and leaks. Take precautionary measures against static discharge: Ground container and receiving equipment, use only non-sparking tools and use explosion proof electrical and other equipment.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below.

Eyes

Splash goggles or safety glasses with side shields are recommended. If necessary, refer to US OSHA Standard 29 CFR 1910.133, the European Standard EN 166, the appropriate Australian Standards, Canadian Standards, or the relevant Japanese Standards.

Skin

HAND: Compatible protective gloves are recommended. Wash hands after removing gloves.
BODY: Use body protection appropriate to the task. Coveralls, rubber aprons or chemical protective clothing

made from natural rubber are generally acceptable depending on the task. If a hazard of injury to the feet exists due to falling objects, rolling objects or where objects may pierce the soles of the feet or where an employee's feet may be exposed to electrical hazards, use foot protection in accordance with US OSHA 29 CFR 1910.136.

If necessary, refer to the appropriate Australian Standards, Canadian Standards, or the relevant Japanese Standards.

Respiratory

If exposure limits are exceeded, use only protection authorized in the US Federal OSHA Respiratory Standard 29 CFR 1910.134, equivalent US State Standards, Canadian CSA Standard Z94.4-93, the European Standard EN 149 or equivalent EU member State Standards.

Ingestion

Not for ingestion.

Exposure limit values

Not established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless to pale yellow liquid.
Odor	:	Characteristic eucalyptol odor.
Flash point	:	55 °C
Relative density	:	0.905 to 0.935 @ 20 °C
Solubility (ies)	:	Slightly soluble in water.
Refractive index	:	1.450 to 1.470 @ 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

Excessive heat, sparks, flames and other sources of ignition.

Incompatible materials

Strong oxidizing or reducing agents. Protect from air.

Hazardous decomposition products

Carbon oxides and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD₅₀ rat: 5000 mg/Kg,

Dermal LD₅₀ rabbit: 2500mg/Kg.

Inhalation

Potential irritant. Over-exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

Skin contact

Potential irritant. May cause erythema, irritation or edema if oil is oxidized. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Eye contact

Severe irritant. May cause redness, irritation or edema.

Ingestion

May be harmful if swallowed. May result in allergic dermatitis, hallucination, ataxia, diarrhea, central nervous system depression, sleep or coma.

Repeated exposure

With repeated exposure this product may cause damage to the following organs: Blood, skin, central nervous system.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

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

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

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

14. TRANSPORT INFORMATION**UN Number**

1993

UN proper shipping name

Flammable liquid, n.o.s. (Eucalyptus Oil)

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1993

Proper shipping name

Flammable liquid, n.o.s. (Eucalyptus Oil)

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1993

Proper shipping name

Flammable liquid, n.o.s. (Eucalyptus Oil)

Class

3

Packaging group

III

IATA Shipping Description (Air)

1993

Proper shipping name

Flammable liquid, n.o.s. (Eucalyptus Oil)

Class

3

Packaging group

III

15. REGULATORY INFORMATION

California Proposition 65

This product does not contain any component above the 0.1% level which is listed as a California Proposition 65 Chemical.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

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