

Certificate of Analysis

PRODUCT IDENTIFICATION

Product Name: Eucalyptus Blue Gum Essential Oil
Botanical Name: Eucalyptus Globulus Leaf Oil
Product Code: OEEUCABLUE

Cas No: 8000-48-4 / 84625-32-1
Einecs No: 283-406-2

PHYSICAL AND CHEMICAL PROPERTIES

Test	Specification	Result
Appearance:	Clear, colourless to pale yellow mobile liquid	Conforms
Odour:	Aromatic & pungent camphoraceous	Conforms
Optical Rotation @ 20°C:	0.0 - +10	+3.1
Specific Gravity @ 20°C:	0.906-0.927	0.909
Refractive Index @ 20°C:	1.458-1.470	1.4612
Solubility 20°C 70% Ethanol:	1ml:5ml Clear	Conforms
Aldehydes:	Not more than 2.0ml of 0.5m potassium hydroxide solution in alcohol 60% V/V is required in 2nd	Conforms

ALLERGEN STATEMENT

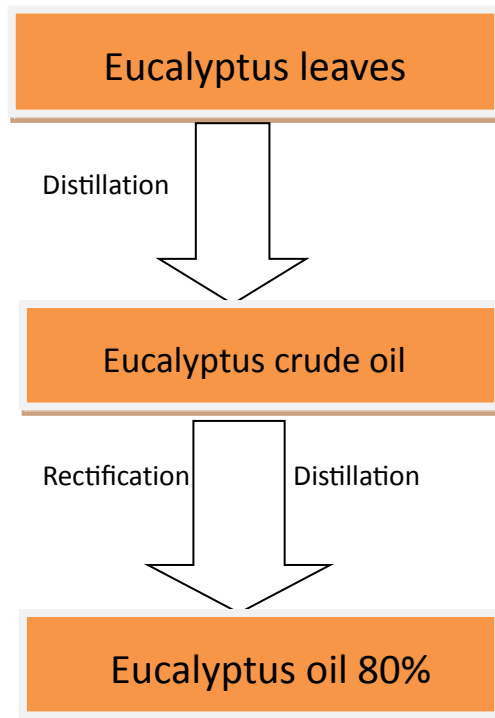
DATE: Feb. 19, 2020

TO WHOM IT MAY CONCERN

RE: EUCALYPTUS BLUEGUM OIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF THE ABOVE-MENTIONED GOODS ARE ALLERGEN FREE AND CONFIRMED TO IFRA ALLERGEN REQUIREMENTS.

FLOW CHART OF EUCALYPTUS OIL 80%



GMO STATEMENT

DATE: FEB. 19, 2020

TO WHOM IT MAY CONCERN

RE: EUCALYPTUS BLUEGUMOIL

WE HEREBY CERTIFY AND GUARANTEE THAT THE PRODUCT OF THE ABOVE-MENTIONED GOODS ARE GMO (GENETICALLY MODIFIED ORGANISM) FREE.

STATEMENT

DATE: FEB. 11, 2020

TO WHOM IT MAY CONCERN

RE: EUCALYPTUS BLUEGUMOIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF THE
ABOVE MENTIONED GOODS CAN MEET IFRA 49 LATEST STANDARD.

MSDS OF EUCALYPTUS BLUE GUM OIL

I. PRODUCT IDENTIFICATION

PRODUCT NAME: EUCALYPTUS OIL

CAS #: 84625-32-1

FORMULA: Essential Oil

Madar Corporation Limited

19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA

TEL: 01425 655 555

II. HAZARD IDENTIFICATION

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

Label elements

Pictogram



Signal: Danger

Hazard statements

H226 Flammable liquid and vapour.

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 statements

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 equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
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.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P321 Specific treatment (see medical advice on this label).
P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations

III. COMPOSITION OR INFORMATION ON INGREDIENTS

Eucalyptus oil 84625-32-1 100% by weight

IV. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush eyes with copious amounts of clean water, holding lids open. If irritation persists, consult a physician.
Skin Contact: Wash with soap and water.
Inhalation: Remove to fresh air.
Ingestion: Give water or milk to drink if conscious

V. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Foam, carbon dioxide or dry chemical.
Unsuitable Extinguishing Media: Bulk liquid could float on surface of water and continue burning
Products of Combustion: Oxides of carbon and nitrogen
Protection of Firefighters: As for surrounding fire

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep away from skin and eyes

Environmental Precautions: Keep liquid out of surface waters

Methods for Containment: In the unlikely event of a large spill, dike with sand, clay or other suitable material.

Methods for Clean Up: Absorb with sand, clay or other suitable material.

VII. HANDLING AND STORAGE INFORMATION

HANDLING: Reasonable care. Keep away from skin and eyes.

STORAGE: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

VIII. EXPOSURE CONTROLS AND PROTECTION INFORMATION

Eye/face protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose 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).

Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to pale yellow liquid.

Odor: Eucalyptus globulus characteristic odor

Flash point: 47 °C - Not specified

Melting /Freezing Point: -14 to 12°C

Boiling Point: 176°C

Vapor Density: NA

Specific Gravity: 0.915

Solubility In Water: Insoluble

X. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Heat

Incompatible Materials: None known

Hazardous Decomposition Products: Toxic fumes of Carbon Monoxide, Carbon Dioxide will not occur.

Possibility of Hazardous Reactions: Extremely improbable

XI. TOXICOLOGICAL INFORMATION

Acute toxicity No data available LD50 Dermal - Rabbit - > 5.000 mg/kg Skin corrosion/irritation No data available Serious eye damage/eye irritation Eyes - Rabbit Result: No eye irritation - 72 h (OECD Test Guideline 405) Respiratory or skin sensitisation May cause sensitisation by skin contact. Germ cell mutagenicity Not mutagenic in Ames Test Carcinogenicity No data available 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. Reproductive toxicity No toxicity to reproduction Specific target organ toxicity - single exposure No data available Specific target organ toxicity - repeated exposure No data available Aspiration hazard The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard. Additional Information RTECS: Not available Dermatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

XII. ECOLOGICAL INFORMATION

Ecotoxicity: None known

Persistence/Degradability: Biodegradable

Bioaccumulation/Accumulation: None known

Mobility in Environment: Not determined

XIII. DISPOSAL CONSIDERATION

Disposal: Dispose according to Federal, State or Provincial, and Local regulations.

XIV. TRANSPORTATION INFORMATION

General For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

UN number

UN No. (ADG) 1169 UN No. (IMDG) 1169 UN No. (ICAO) 1169

UN proper shipping name

Proper shipping name (ADG) FLAMMABLE LIQUID, N.O.S. (CONTAINS Eucalyptus Oil)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (CONTAINS Eucalyptus Oil)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (CONTAINS Eucalyptus Oil)

Transport hazard class(es)

ADG class 3

ADG classification code F1

ADG label 3

IMDG class 3

ICAO class/division 3

Packing group

ADG packing group III

IMDG packing group III

ICAO packing group III

REGULATORY INFORMATION

Non information available

XVI. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3. H226 Flammable liquid and vapour. 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.

*** DISCLAIMER ***

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PRODUCT SPECIFICATION OF EUCALYPTUS BLUE GUM OIL



CHARACTERS: A CLEAR, COLOURLESS TO PALE YELLOW LIQUID, EUCALYPTUS GLOBULUS CHARACTERISTIC ODOUR.

SPECIFIC GRAVITY(20/20°C): 0.906 ~ 0.927

REFRACTIVE INDEX (20°C): 1.458~1.470

OPTICAL ROTATION (20°C): 0°~+10°

SOLUBILITY (20°C, 70%ETHANOL): 1ML: 5ML(v/v) Clear

β-PINENE (GC,%): < 1.5

α-PINENE (GC,%): TRACE -9.0

α-PHELLANDRENE(% , GC) : < 1.5

1,8-CINEOL (GC,%): ≥80

LIMONENE (GC,%): Trace -12.0

CAMPHOR (GC,%): < 0.1

SABINENE (GC,%): < 0.3

VEGAN STATEMENT

DATE: MAR. 17, 2020

TO WHOM IT MAY CONCERN

RE: EUCALYPTUS BLUEGUMOIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF THE ABOVE-MENTIONED GOODS ARE VEGAN SUITABILITY.