

Certificate of Analysis

PRODUCT DETAILS					
Product Name	CLOVE LEAF OIL ORGANIC				
Product Code	OCCLOVLEAF				
INCI Name	Eugenia caryophyllata				
Country of Origin	Sri Lanka				
Tariff Number	33012911				
Best Before Date	January 2027				
Batch Number	4532102				
Identification	CAS No: 84961-50-2	EINECS No: 284-638-7			
	Alternative Cas: 8000-34-8				
PHYSICAL AND CHEMICAL CHARACTERISTIC					
	SPECIFICATION RANGE	RESULTS			
Appearance	Liquid	Conforms			
Colour	Pale yellow to brown yellow	Conforms			
Odour	Warm, woody, sweet, spicy	Conforms			
Relative Density @ 20°C	1.010 - 1.050	1.0435			
Refractive Index @ 20°C	1.510 - 1.550	1.5307			
Flash Point	>93°C	Conforms			
Optical Rotation	-2 to +2	-0.83			
MAIN CONSTITUENTS					
SPECIFICATION RANGE	RESULTS	SPECIFICATION RANGE	RESULTS	SPECIFICATION RANGE	RESULTS
Eugenol 60-95%	84.86%	B Caryophyllene 5-25%	10.88%	Eugenyl Acetate 0.01-4%	0.05%
STORAGE AND SHELF LIFE					
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.				
Shelf Life	12 - 18 months unopened and stored as above.				

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MYSTIC MOMENTS

CMR (Carcinogenic, mutagenic, reprotoxic) STATEMENT

We hereby confirm, to the best of our knowledge and from information received from our supplier, that the below mentioned product does not contain any CMR Substances.

However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.

Product: Clove Leaf Oil Organic

02 June 2021

MYSTIC MOMENTS

SAFETY DATA SHEET CLOVE LEAF OIL ORGANIC

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name CLOVE LEAF OIL ORGANIC

Synonyms; trade names Eugenia caryophyllata

CAS number Alternative 84961-50-2

Cas Number 8000-34-8

EC number 284-638-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial, only for professional use

1.3. Details of the supplier of the safety data sheet

Supplier Madar Corporation Limited
19 - 20 Sandleheath Industrial Estate
Fordingbridge
SP6 1PA
Tel. +44 1425 655 555 (Opening Hours Mon - Fri 9.00am - 4.00pm)
e-mail technical@madarcorporation.co.uk

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304

Environmental hazards Not Classified

Human health Causes skin irritation. Causes serious eye irritation May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

2.2. Label elements

EC number 284-638-7

CLOVE LEAF OIL ORGANIC

Hazard pictograms



Signal word

Danger

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.

Precautionary statements

P261 Avoid breathing vapour/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

Eugenol, Beta Caryophyllene, Eugenyl Acetate

Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Eugenol		60 - 95%
CAS number: 97-53-0	EC number: 202-589-1	
Classification Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304		
Beta Caryophyllene		5 - 25%
CAS number: 87-44-5	EC number: 201-746-1	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

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Eugenyl Acetate	0.01 - 4%
CAS number: 93-28-7	EC number: 202-235-6
Classification Acute Tox. 4 - H302 Skin Sens. 1B - H317	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention.
Ingestion	Move affected person to fresh air at once. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Ingestion	There may be soreness and redness of the mouth and throat.
Skin contact	There may be irritation and redness at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Closed containers may build up pressure at elevated temperatures. In case of fire, the following can be released: carbon monoxide (CO), carbon dioxide (CO ₂), smoke, soot.
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5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Use appropriate protective clothes, individual means of eye protection, self contained breathing apparatus. Use segregate mask with forced air supply.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Personal precautions Avoid contact with skin and eyes. Avoid inhalation of vapours. For personal protection, see Section 8. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Cover with inert, inorganic, non-combustible material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with local authority guidelines. Use non sparking tools. Ventilate area and wash spill site after pickup is complete.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Requirements relating to storage premises apply to all facilities where the substance is handled. Individuals with a history of skin sensitization should not, under any circumstance, handle this substance. Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray/mists.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep air contact to a minimum. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Eugenol (CAS: 97-53-0)

DNEL	<p>Workers - Inhalation; Long term systemic effects: 21.2 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 6 bw/day, mg/kg</p> <p>General population - Inhalation; Long term systemic effects: 5.22 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 3 bw/day, mg/kg</p> <p>General population - Oral; Long term systemic effects: 3 bw/day, mg/kg</p>
PNEC	<p>- Fresh water; Short term 1.13 mg/l</p> <p>- Intermittent release, Fresh water; 11.3 mg/l</p> <p>- marine water; Short term 0.113 mg/l</p> <p>- Sediment (Freshwater); Short term 0.081 mg/kg</p> <p>- Sediment (Marinewater); Short term 0.008 mg/kg</p> <p>- Soil; Short term 0.015 mg/kg</p>

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide eyewash station

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Personal protection	General protective and hygienic measures: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.
Eye/face protection	Approved safety goggles.
Hand protection	Chemical resistant gloves (PVC)
Other skin and body protection	Wear apron or protective clothing in case of contact.
Hygiene measures	Good personal hygiene procedures should be implemented.
Respiratory protection	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pale yellow to brown yellow
Odour	Warm Woody Sweet Spicy
Flash point	≥ 93°C Tag closed cup.
Relative density	1.010 - 1.050 @ 20°C
Solubility(ies)	Insoluble in water. Soluble in ethanol.

9.2. Other information

Refractive index	1.520 - 1.550 @ 20°C
Optical Rotation	-2 to +2
Hydrocarbon Content	

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The substance is stable under normal storage and handling conditions.
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10.2. Chemical stability

Stability	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Decomposition may occur on exposure to conditions or materials listed below.
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10.4. Conditions to avoid

Conditions to avoid	Keep away from heat, sparks and open flame.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	During combustion may form carbon monoxide and unidentified organic compounds.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 12,500.0

Serious eye damage/irritation

Serious eye damage/irritation There may be irritation and redness. The eyes may water profusely.

Skin sensitisation

Skin sensitisation There may be irritation and redness at the site of contact.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

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Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

Complies

Canada - DSL/NDSL

Complies

US - TSCA

Complies

Australia - AICS

Complies

Japan - ENCS

Complies

Korea - KECI

Complies

China - IECSC

Complies

Philippines – PICCS

Complies

New Zealand - NZIOC

Complies

Taiwan - TCSI

Complies

SECTION 16: Other information

Revision date 18/05/2020

CLOVE LEAF OIL ORGANIC

Revision	2
Supersedes date	05/04/2017
SDS number	5451
Hazard statements in full	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

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Product Specification

PRODUCT DETAILS		
Product Name	CLOVE LEAF OIL ORGANIC	
INCI Name	Eugenia caryophyllata	
Country of Origin	Sri Lanka	
Tariff Number	33012911	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.	
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Kosher Certified	Yes	
Halal Certified	We hereby delcare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Manufacturing Process	Obtained by steam distillation of the leaves of Eugenia caryophyllata.	
Identification	CAS No: 84961-50-2	EINECS No: 284-638-7
	Alternative Cas: 8000-34-8	
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Pale yellow to brown yellow	
Odour	Warm, woody, sweet, spicy	
Relative Density @ 20°C	1.010 - 1.050	
Refractive Index @ 20°C	1.510 - 1.550	
Flash Point	>93°C	
Optical Rotation	-2 to +2	
FRAGRANCE ALLERGENS		
Eugenol (97-53-0) 60-95%	Iso Eugenol (97-54-1) <0.5%	
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
Eugenol (97-53-0) 60-95%	Iso Eugenol (97-54-1) <0.5%	
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	12 - 18 months unopened and stored as above.	

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Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	Clove Leaf Oil Organic
Cas No:	84961-50-2 / 8000-34-8
EINECS No:	284-638-7
STATEMENT	
<p>We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above is suitable for the following:</p> <p>Vegans (Excludes all animal derived products, including dairy, eggs, leather, bee products (beeswax and honey)).</p> <p>Lacto Vegetarians (Same as vegan but allows milk products and bee products.</p> <p>Ovo Vegetarians (Same as vegan but allows egg products and bee products)</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	