

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Elemi Oil				
Biological Definition	Elemi Resin Oil. <i>Canarium Luzonicum</i> Gum Oil is an essential oil obtained from the resin exudate of the Elemi, <i>Canarium luzonicum</i> syn. <i>C. commune</i> , Burseraceae.				
INCI Name	Canarium Luzonicum Gum Oil				
Synonyms Trade Names	None				
CAS Number	9000-75-3	EC Number	232-557-2	EINECS No.	232-557-2

1.2 Relative identified uses of the substance or mixture and uses advised against

Industrial, only for professional use.

1.3 Details of the supplier of the safety data sheet

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

The Full Text for all Hazard Statements Displayed in Section 16. Human health May be fatal if swallowed and enters airways. The liquid may be irritating to skin. May cause sensitisation or allergic reactions in sensitive individuals. Environmental The pro

Classification (EC 1272 / 2008)

Physical and Chemical Hazards: Flam. Liq. 3 - H226 Human health: Skin Irrit. 2 - H315 Skin Sens. 1 - H317
Asp. Tox. 1 - H304 Environment: Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

GHS02

GHS07

GHS08

GHS09

None

**Signal Word**

Danger

Contains

(R)-p-mentha-1,8-diene, 8-Diene, 1,8 cineole, Alpha Pinene, Beta Pinene,

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.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 IF SWALLOWED:
P310 Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P391 Collect spillage.
P262 Do not get in eyes, on skin, or on clothing.

Supplementary 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/ventilating/lighting/.../equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash... thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P302 IF ON SKIN:
P352 Wash with plenty of soap and water.
P303 IF ON SKIN (or hair):
P361 Remove/Take off immediately all contaminated clothing.
P353 Rinse skin with water/shower.
P321 Specific treatment (see... on this label).
P332 If skin irritation occurs:
P313 Get medical advice/attention.
P222 Do not allow contact with air.
P362 Take off contaminated clothing and wash before reuse.
Take off contaminated clothing and wash it before reuse.
P370 In case of fire:
P378 Use... for extinction.
P403 Store in a well-ventilated place.
P235 Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to...

2.3 Other Hazards

PBT or PvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

40 - 50 % (R)-p-mentha-1,8-diene CAS No: 5989-27-5 EC No: 227-813-5

Classification (EC 1272/2008): M Factor (Acute)=1 factor (Chronic)=1, Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

10 - 15 % Alpha Phellandrene CAS No: 99-89-2 EC No: 202-792-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304

1 - 5 % 1,8 Cineole CAS No: 470-82-6 EC No: 207-431-5

Classification (EC 1272/2008): Skin Irrit. 3 (316) (EFFA), Acute Tox. 5 (H503)(EFFA), Flam. Liq. 3 - H226 (EFFA)

1 - 5 % p-menth-1-en-8-ol CAS No: 98-55-5 EC No: 202-680-6

Classification (EC 1272/2008): Aquatic Acute 2 - H401, Eye Irrit. 1 - H319, Skin Irrit 2 - HH315, Acute Tox. 5 - H303, Flam. Liq. 4 - H227

1 - 5 % p-Cymene CAS No: 99-87-6 EC No: 202-796-7

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Acute Tox. 5 - H303, Aquatic Chronic 2 - H411, Skin Irrit 3 - H316

0 - 1 % Alpha Pinene CAS No: 80-56-8 EC No: 201-291-9

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Sens. 1 - H317, Aquatic Acute 1 - Aquatic Chronic 1 - H410

0 - 1 % Alpha Terpinolene CAS No: 586-62-9 EC No: 209-578-0

Classification (EC 1272/2008): M Factor (Acute)=1 factor (Chronic)=1, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

0 - 1 % Beta-Pinene CAS No: 127-91-3 EC No: 20-872-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
41 Ingestion:	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
41 Eye:	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
41 Skin:	Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation May be fatal if swallowed and enters airways. Skin contact May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor: Treat symptomatically.

05. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. For emergency responders: Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and clearing up

Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13. [Click here to enter text.](#)

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Usage precautions Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Provide adequate ventilation. Keep away from heat, sparks and open flame. Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including and incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

No additional data available.




08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

(R)-p-mentha-1,8-diene (CAS: 5989-27-5) DNEL Workers - Inhalation; Long term systemic effects: 33.3 mg/m³ General population - Oral; Long term systemic effects: 4.76 mg/kg PNEC - STP; 1.8 mg/l- Soil; 0.262 mg/kg- Fresh water; 0.0054 mg/l- Marine water; 0.00054 mg/l- Sediment (Fresh water); 1.32 mg/kg- Sediment (Marine water); 0.13 mg/kg, 8 cineole (CAS: 470-82-6) DNEL Workers - Dermal; Long term systemic effects: 2 mg/kg

8.2 Exposure controls

Protective Equipment

Goggles	Gloves	Overalls	None	None
				
Process Conditions:	Provide eyewash station.			
Engineering Measures:	Provide adequate ventilation.			
Respiratory Equipment:	Avoid inhalation of vapour.			
Hand Protection:	Avoid skin contact. Wear protective gloves.			
Eye Protection:	Wear protective goggles to prevent eye contact.			
Other Protection:	Slip proof shoes may be worn in event of spillages.			
Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.			
Personal Protection:	Avoid inhalation of vapour and contact with skin and eyes.			
Skin Protection	Wear overalls or laboratory coat to protect from skin contact.			
Environmental Exposure Controls:	Avoid discharging into drainage water.			

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Colourless to yellow.
Flash Point:	54
Odour:	Characteristic – balsamic spicy.
Relative Density:	0.850 - 0.910 @ 20°C
Refractive:	1.472 - 1.490 @ 20°C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	No additional data available.
Auto Ignition:	No additional data available.

9.2 Other Information

Hydrocarbon content 89%

10. STABILITY AND REACTIVITY

10.1 Reactivity

The substance is stable under normal storage and handling conditions.

10.2 Chemical Stability

Stable at normal ambient temperature.

10.3 Possible hazardous reactions

None known.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Avoid strong oxidising agents and strong reducing agents.

10.6 Hazardous Decomposition Products

Carbon dioxide (CO₂). Carbon monoxide (CO).

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity: No additional data available.

Respiratory or skin sensitisation: No additional data available.

Skin corrosion/irritation: No additional data available.

Serious Eye damage/irritation: No additional data available.

Germ Cell Mutagenicity: No additional data available.

Carcinogenicity: No additional data available.

Reproductive toxicity: No additional data available.

STOT Single exposure: No additional data available.

STOT Repeated exposure: No additional data available.

Photo-toxicity: No additional data available.

Aspiration hazard: No additional data available.

Other Information: No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No additional data available.

12.2 Persistence Degradability

No additional data available.

12.3 Bioaccumulation Potential

No additional data available.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and vPvB Assessment

No additional data available.

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recycling is preferred to disposal or burning. Disposal must be made according to official regulations. Must not be disposed together with household waste.

14. TRANSPORT INFORMATION

14.1 UN number

Road:	1169
Sea:	1169
Air:	1169

14.2 UN Proper shipping name

EXTRACTS, AROM

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3 Flammable liquid IMDG Class 3 ICAO Class/Division 3 Transport Labels

Cl. 3_140_s

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14.4 Packing group

ADR/RID/ADN Packing group III IMDG Packing group III ICAO Packing group III

14.5 Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant

Umwelt_140

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14.6 Special precautions for users

EmS F-E, S-DADR transport category 3 Emergency
Action Code 3Y Hazard Identification Number(ADR/RID) 30 Tunnel restriction
code (D/E)

14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

No additional data available.

15. REGULATORY INFORMATION

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

Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard or precaution	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. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Other Information::	None.
Revision Date:	4/1/2022
Reason:	New SDS
Revision Number:	2

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