







Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Eucalyptus Globulus Oil.			
Biological Definition		Eucalyptus Globulus Leaf Oil is the volatile oil obtained from the fresh leaves of the Eucalyptus, <i>Eucalyptus globulus</i>			
INCI Name		Eucalyptus Globulus Leaf Oil.			
Synonyms & Trade Names					
CAS-No	8000-48-4/ 84625-32-1	EC No.	-/283-406-2	EINECS No.	-/283-406-2
1.2 Relative identified uses of the substance or mixture and uses advised against					
Suitable for cosmetic and food flavouring purposes.					
1.3 Details of the supplier of the safety data sheet					
Mother Natures Goodies Limited, The Old Rugby Club, 106 High Street, Blaina, NP13 3AF Email – customerservices3@mothernaturesgoodies.co.uk					
1.4 Emergency Tel. No.		+ 44 (0) 1495404000			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture			
The Full Text for all Hazard Statements is Displayed in Section 16.			
Classification (EC 1272/2008)			
Physical hazards:	Flam. Liq. 3 - H226		
Health hazards:	Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317		
Environmental Hazards:	Aquatic Chronic 2 - H411		
2.2 Label Elements			
Label in accordance with (EC) No 1272/2008			
GHS02	GHS08	GHS07	GHS09
			
Signal Word		Danger	
Contains		1,8 cineole, d-Limonene, 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. H411 Toxic to aquatic life with long lasting effects.			
Precautionary Statements			
P273 Avoid release to the environment.			

Mother Natures Goodies Limited, The Old Rugby Club, 106 High Street, Blaina, NP13 3AF, UNITED KINGDOM
Company Registration Number 09827453 www.mothernaturesgoodies.co.uk

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 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, hot surfaces, sparks, open flames and other ignition sources. 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.
 P302+P352 IF ON SKIN: Wash with plenty of 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).
 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 it before reuse.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	This product does not contain any substances classified as PBT or vPvB.
Adverse physio-chemical properties	Flammable liquid and vapour.
Adverse effects on human health	The liquid may be irritating to skin. Fatal if swallowed. May cause skin sensitisation or allergic reactions in sensitive individuals.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

>80% 1,8 Cineol	CAS-No: 470-82-6	EC No: 207-431-5
Classification (EC 1272/2008)	Flam. Liq. 3 - H226, Skin Sens. 1B - H317	
≤ 10% d-Limonene	CAS-No: 5989-27-5	EC No: 227-813-5
Classification (EC 1272/2008)	Flam. Liq. 3 - H226, Asp. Tox. 1 H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	
≤ 6% para-Cymene	CAS-No: 99-87-6	EC No: 202-796-7
Classification (EC 1272/2008);	Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Eye Irrit. 2 H319	
≤ 9% alpha-Pinene	CAS-No: 80-56-8	EC No: 201-291-9
Classification (EC 1272/2008)	Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304,	

Mother Natures Goodies Limited, The Old Rugby Club, 106 High Street, Blaina, NP13 3AF, UNITED KINGDOM
 Company Registration Number 09827453 www.mothenaturesgoodies.co.uk

Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410		
≤ 3% alpha-Phellandrene	CAS-No: 99-83-2	EC No: 202-792-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304		
≤ 6% p-mentha-1,4-diene	CAS-No: 99-85-4	EC No: 202-794-6
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304		
≤ 2% 7-methyl-3-methylenoocta-1,6-diene (Myrcene)	CAS-No: 123-35-3	EC No: 204-622-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319 Asp. Tox. 1 - H304, Aquatic Acute 1 H400, Aquatic Chronic 1 H410		
≤ 2% p-menth-1-en-8-ol	CAS-No: 99-55-5	EC No: 202-680-6
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319		
≤ 1.5% beta-Pinene	CAS. No: 127-91-3	EC No: 204-872-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 H400, Aquatic Chronic 1 H410		

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin Contact	Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
Eye Contact	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.
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	
Suitable Extinguishing media:	Carbon Dioxide (CO ₂), dry chemical, Foam, Water Spray.
Suitable Extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the product	
Specific hazards	Burning can produce irritating, toxic and obnoxious fumes.
5.3 Advice for firefighters	
Special Protective equipment for fire-fighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Mother Natures Goodies Limited, The Old Rugby Club, 106 High Street, Blaina, NP13 3AF, UNITED KINGDOM
Company Registration Number 09827453 www.mothenaturesgoodies.co.uk

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
<p>Personal precautions Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves.</p> <p>For emergency responders Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.</p>
6.2 Environmental Precautions
Do not discharge into drains or watercourses or onto the ground.
6.3 Methods and material for containment and cleaning 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.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
<p>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.</p> <p>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.</p>
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
<p>1, 8 cineole (CAS: 470-82-6) DNEL Workers - Dermal; Long term systemic effects: 2 mg/kg General population - Oral; Long term systemic effects: 600 mg/kg General population - Dermal; Long term systemic effects: 1 mg/kg General population - Inhalation; Long term systemic effects: 1.74 mg/m³</p> <p>PNEC - STP; 10 mg/l - Soil; 0.2 mg/kg - Intermittent release; 0.57 mg/l - Fresh water; 0.057 mg/l - Marine water; 0.0057 mg/l - Sediment (Freshwater); 0.06732 mg/kg - Sediment (Marinewater); 0.00673 mg/kg</p> <p>Alpha Pinene (CAS: 80-56-8) DNEL Workers - Inhalation; Long term systemic effects: 5.98 mg/m³</p>

General population - Oral; Long term systemic effects: 0.31 mg/kg
 General population - Inhalation; Long term systemic effects: 1.06 mg/m³
 PNEC
 - STP; 3.26 mg/l
 - Soil; 0.539 mg/kg
 - Fresh water; 0.004 mg/l
 - Marine water; 0.0004 mg/l
 - Sediment (Freshwater); 1.033 mg/kg
 - Sediment (Marinewater); 0.103 mg/kg
7-methyl-3-methylenoocta-1,6-diene (CAS: 123-35-3)
 DNEL
 Workers - Dermal; Long term systemic effects: 0.83 mg/kg
 Workers - Inhalation; Long term systemic effects: 5.83 mg/m³
 General population - Dermal; Long term systemic effects: 0.42 mg/kg
 General population - Inhalation; Long term systemic effects: 1.25 mg/m³
 PNEC
 - STP; 0.2 mg/l
 - Soil; 1.015 mg/kg
 - Fresh water; 0.00028 mg/l
 - Marine water; 0.0008 mg/l
 - Sediment (Freshwater); 5.022 mg/kg
 - Sediment (Marinewater); 0.502 mg/kg

8.2 Exposure controls

Protective Equipment



Process Conditions	No additional data available.
Engineering Measures	Provide adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Respiratory Equipment	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Chemical resistant gloves required.
Eye Protection	Wear approved face protection.
Other Protection	Wear suitable protective clothing to prevent heat.
Hygiene Measures	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.
Personal Protection	Avoid contact with skin and eyes.
Skin Protection	Wear apron or protective clothing in case of contact.
Environmental Exposure Controls	Avoid discharging into drains.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid
Colour	Colourless to pale yellow.
Odour	Fresh, aromatic, cineolic
Relative Density	Approx. 0.915 @ 20°C
Flash Point (°C)	45.5 - 46.5°C PMCC (Pensky-Martens closed cup).

Mother Natures Goodies Limited, The Old Rugby Club, 106 High Street, Blaina, NP13 3AF, UNITED KINGDOM
 Company Registration Number 09827453 www.mothenaturesgoodies.co.uk

Refractive Index	Approx. 1.452 @ 20°C
Melting Point (°C)	+5 to -20°C
Boiling Point (°C)	153 - 184°C
Vapour Pressure	ca 262 Pa @ 25°C
Solubility in Water @20°C	No additional data available.
Auto-ignition temperature (°C)	270°C
9.2 Other information	
<p>Partition coefficient</p> <p>Eucalyptus is a natural complex substance. It is a mixture of several components, but three of them represent 90% of that mixture. LogP of each of these three components were calculated with the In Silico Algorithm For Environmental Risk Assessment toolbox, multilinear V.1.1. The range of the LogP varies as below. log Pow: 2.84 to 4.42</p>	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
The substance is stable under normal storage and handling conditions.	
10.2 Chemical stability	
Stable under normal temperature conditions.	
10.3 Possible hazardous reactions	
None known.	
10.4 Conditions to Avoid	
Avoid heat, sparks and other sources of ignition.	
10.5 Incompatible materials	
<p>Materials To Avoid</p> <p>Strong oxidising agents. Strong reducing agents.</p>	
10.6 Hazardous Decomposition Products	
Combustion produces carbon dioxide, carbon monoxide and smoke.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	<p>Not classified.</p> <p>Acute toxicity - oral</p> <p>Notes (oral LD₅₀)</p> <p>REACH dossier information. The oral LD50 for Eucalyptus oil is higher than 2000 mg.kg bw in mice therefore it is not classified according to the Annex VI to the Directive 67/548/EEC and the CLP Regulation (EC) No (1272-2008).</p> <p>Acute toxicity - dermal</p> <p>Notes (dermal LD₅₀)</p> <p>REACH dossier information. The dermal LD50 for Eucalyptus oil is higher than 5000 mg/kg bw in rabbits therefore it is not classified according to the Annex VI to the Directive 67/548/EEC and the CLP Regulation (EC) No (1272-2008).</p>
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Not classified.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Not classified.

Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long lasting effects.
12.2 Persistence & degradability
The substance is readily biodegradable.
12.3 Bioaccumulation Potential
Partition coefficient Eucalyptus is a natural complex substance. It is a mixture of several components, but three of them represent 90% of that mixture. LogP of each of these three components were calculated with the In Silico Algorithm For Environmental Risk Assessment toolbox, multilinear V.1.1. The range of the LogP varies as below. log Pow: 2.84 to 4.42
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
This product does not contain any substances classified as PBT or vPvB.
12.6 Other adverse effects
No additional data available.

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	
UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169
14.2 UN proper shipping name	
EXTRACTS, AROMATIC, LIQUID	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class:	3
ADR/RID Classification code:	F1
IMDG Class	3
ICAO Class/Division	3

Transport Labels

**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

**14.6 Special precautions for user**

EmS	F-E, S-D
ADR 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 MARPOL73/78 and the IBC code

Packed and transferred according to transport regulations.

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

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 and/or Precautionary Statements in Full	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	09/01/2018
Reason for revision	Updated SDS
Rev No/Repl, SDS Generated	03, replaces 02

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.