01.IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING

1.1 Product Identifier

1.1 Product Identifier	Eucalyptus Oil Radiata.				
Biological Definition	Eucalyptus Radiata Flower/Leaf/Stem Oil is the volatile oil obtained from the flowers, leaves and stems of Eucalyptus, Eucalyptus radiata var. Australiana, Myrtaceae.				
INCI Name	Eucalyptus Radiata Flower/Leaf/Stem Oil.				
Synonyms Trade Names	-				
CAS Number	92201-64-4	EC Number	295-995-3	EINECS No.	295-995-3

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

No additional data available.

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 are Displayed in Section 16.

Classification (EC 1272 / 2008)

Physical: Flam. Liq. 3 – H226Health: Skin Sens. 1 – H317; Asp. Tox. 1 – H304Environmental: Aquatic Chronic 2 – H411

GHS08	GHS09	GHS07	GHS02	None
				

Signal Word	Danger
Contains	Alpha Pinene, Beta Pinene, Limonene,

Hazard Statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H411 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.

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.
P272 Contaminated work clothing should not be allowed out of the workplace.
P301 IF SWALLOWED:
P310 Immediately call a POISON CENTER or doctor/physician.
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).
P331 Do NOT induce vomiting.
P333 If skin irritation or rash occurs:
P313 Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370 In case of fire:
P378 Use… for extinction.
P391 Collect spillage.
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

60 - 100 % Cineol CAS No: 470-67-7 EC No: 207-428-9

Classification (EC 1272/2008): Flam. Liq. 3 - H226

10 - 30 % Alpha-Terpineol 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

5 - 10 % **Alpha-Pinene** CAS No: 80-56-8 EC No: 201-291-9

Classification (EC 1272/2008): Aquatic Acute 2 - H400, Chronic Aquatic 1 - H410, Skin Sens. 1 - H317, Skin Irrit 2 - H315, Asp. Tox. 1 - H304, Acute Tox. 5 - H503, Flam. Liq. 3 - H226

5 - 10 % **Limonene** CAS No: 5989-27-5 EC No: 227-813-5

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

1 - 5 % **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

1 - 5 % **4-Terpineol** CAS No: 562-74-3 EC No: 209-235-5

Classification (EC 1272/2008): Acute Tox. 4 - H302, Skin Irrit. 2 - H315

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 % **Geranoil** CAS No: 106-24-1 EC No: 203-377-1

Classification (EC 1272/2008): SCI 2-EDI, 1-SS 1,;H315 - H3170H319

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	May cause coughing, tightness of the chest and irritation of the respiratory system. Move theexposed person to fresh air at once. Get medical attention if any discomfort continues.
41 Ingestion:	If necessary, rinse mouth and provide fresh air. Get medical attention if discomfort continues.
41 Eye:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses andopen eyes wide apart. Get medical attention if any discomfort continues.
41 Skin:	If necessary remove contaminated clothing and wash skin with soap and water. Get medicalattention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

Observe risk of aspiration if vomiting occurs.

4.3 Indication of any immediate medical attention and special treatment needed

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 Monixide 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 RELEAS MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use protective gloves, goggles and suitable protective clothing.In case of spills, beware of slippery floors and surfaces.

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 inert, damp, non-combustible material, then flush area with water.Shovel into dry containers.

6.4 Reference to other sections

No additional data available.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid spilling, skin and eye contact.Ensure adequate ventilation of the working area.Adopt best manual handling considerations when handling, carrying and dispensing.Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparksand open flame. Protect from freezing and direct sunlight.

7.2 Conditions for safe storage, including and incompatabilities

Keep container tightly closed.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No additional data available.

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 withchemicals / 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:	Clear liquid, colourless to pale yellow.
Colour:	Colourless to pale yellow.
Flash Point:	42°C
Odour:	Characteristic.
Relative Density:	0.900 - 0.920 @ 20°C
Refractive:	1.457 - 1.467 @ 20C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	Insoluble in water.
Auto Ignition:	No additional data available.

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical Stability

Stable under normal temperature conditions.

10.3 Possible hazardous reactions

No dangerous reactions expected if used according to specifications.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Strong oxidising substances. Strong acids.Strong Alkalis

10.6 Hazardous Decomposition Products

In case of fire, toxic gases (CO, CO2, NOx) may be formed.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxological effects

Acute Toxicity:	No specific health warnings noted.No harmful effects expected in amounts likely to be ingested by accident.
Respiratory or skin sensitisation:	In high concentrations, vapours may irritate throat and respiratory systemand.
Skin corrosion/irritation:	No specific health warnings noted.
Serious Eye damage/irritation:	Spray and vapour in the eyes may cause irritation and smarting
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

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

GENERAL INFORMATION: Waste is suitable for incineration.DISPOSAL METHODS: Dispose of waste and residues in accordance with local authorityRequirements.

14. TRANSPORT INFORMATION

14.1 UN number

Road:	1169
Sea:	1169

Air:	1169

14.2 UN Prpoer shipping name

EXTRACTS, AROM

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3ADR/RID/ADN Class: 3IMDG Class 3ICAO Class/Division Transport LabelsTUNNEL RESTRICTION CODE (D/E) HAZCHEM CODE •3YEEMS F-E, S-D HIN 30

Cl. 3_140_s	EXTRACTS, AROM	EXTRACTS, AROM

14.4 Packing group

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

14.5 Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant

Umwelt_140	EXTRACTS, AROM	EXTRACTS, AROM

14.6 Special precautions for users

See section 6 to 8.

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

Packed and transferred according to transport regulations.

15. REGLATORY INFORMATION

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

Statutory InstrumentsThe Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).Guidance NotesWorkplace Exposure Limits EH40. CHIP for everyone HSG(108).EU LegislationRegulation (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	H318 Causes serious eye damage. H315 Causes skin irritation. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways.

	H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life..
Other Information::	None.
Revision Date:	4/1/2019
Reason:	New SDS
Revision Number:	2

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