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| 1. Identification of the substances / mixture and of the company/undertaking. | | | |
| 1.1 Product identifier: Eucalyptus Oil Radiata | | | |
| Substance name: | | | |
| Biological Definition | | | |
| INCI Name | | EUCALYPTUS RADIATA LEAF/STEM OIL | |
| Synonyms & Trade Names | | | |
| EC NO: 295-995-3 | CAS NO: | EINECS CAS Number: 92201-64-4 | |
| Index No: | Reach Registration No: | | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | | | |
| Identified uses: | | | |
| Uses advised against: | | | |
| 1.3 Details of the supplier of the safety data sheet | | | |
| Company | Penny Price Aromatherapy Ltd | | |
| | Unit D3 Radius Court | | |
| | Maple Drive | | |
| | Hinckley | | |
| | Leicestershire LE10 3BE | | |
| Email | info@penny-price.com | | |
| 1.4 Emergency Telephone Number | 00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999 | | |

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| 2. Hazards Identification | | | |
| 2.1 Classification of the substance or mixture | | | |
| Classified according to Regulation (EC) 1272/2008 (CLP) as amended | Physical and Chemical Hazards | Flam. Liq. 3 – H226 | |
| | Human Health | Skin Sens. 1 – H317 | Tox. 1 – H304 |
| | Environment | Aquatic Chronic. 2 – H411 | |
| 2.2 Label Element Labelling according to Regulation (EC) No.1272/2008: | | | |
|  | | | |
| Signal Word. DANGER | | | |
| Contents: | | | |
| Alpha Pinene | | | |
| Beta Pinene | | | |
| Limonene | | | |
| Hazard statements. | | | |
| H318 | Causes serious eye damage. | H315 | Causes skin irritation. |
| H226 | Flammable liquid and vapour. | H302 | Harmful if swallowed. |

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| 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. | | |
| 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+P310 | IF SWALLOWED: Immediately call a Doctor. | | |
| P302 +P352 | IF ON SKIN: Wash with plenty of soap and water | | |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower | | |
| P321 | Specific treatment (see on this label). | | |
| P331 | Do NOT induce vomiting. | | |
| P333+P313 | If skin irritation occurs: Get medical advice/ attention. | | |
| P363 | Wash contaminated clothing before reuse. | | |
| P370+P378 | In case of fire: Use foam/carbon dioxide/dry powder for extinction. | | |
| P391 | Collect spillage. | | |
| P403+P235 | Store in a well-ventilated place. Keep cool. | | |
| P405 | Store locked up. | | |
| P501 | Dispose of contents/container to approved disposal site, in accordance with local regulations | | |
| 2.3 Other hazards – Results of PBT and vPvB 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. | | |

3. 1 Composition / information on ingredients:

| Substance name | Index number under CLP Annex VI | Weight % content (or range) | CL, M-Factor, ATE |
|-----------------|---------------------------------------|-----------------------------|--|
| Cineol | CAS No. 470-67-7 EC No. 207-428-9 | 60-100% | Flam. Liq. 3 – H226 |
| Alpha-terpineol | CAS No. 98-55-5 EC No. 202-680-6 | 10-30% | Skin Irrit. 2 – H315 |
| Alpha-Pinene | CAS No. 80-56-8 EC No. 201-291-9 | 5-10% | Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 |
| Limonene | CAS No. 5989-27-5 EC No. 227-813-5 | 5-10% | Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Asp. Tox. 1 – H304 Skin Sens. 1 – H317 |
| Beta-Pinene | CAS No. 127-91-3 EC No. 204-872-5 | 1-5% | Flam. Liq. 3 – H226 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Chronic 1 – H410 |
| 4-Terpineol | CAS No. 562-74-3 EC No. 209-235-5 | 1-5% | Acute Tox. 4 – H302 Skin Irrit. 2 – H315 |
| Para-Cymene | CAS No. 99-87-6 EC No. 202-796-7 | 1-5% | Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Chronic 2 – H411 |
| Geraniol | CAS No. 106-24-1 EC No. 203-377-1 | <1% | Skin Irrit. 2 – H315 Eye Dam. 1 – H318 Skin Sens. 1 – H317 |

4. First Aid Measures

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| 4.1 General | Immediately remove any clothing soiled by the product. |
| Inhalation | May cause coughing, tightness of the chest and irritation of the respiratory system. Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required. |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention. |
| Skin contact | Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention. |
| Ingestion | Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils. |
| 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 need | |

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| | Treat symptomatically. |
| 5. Firefighting Measures | |
| 5.1 Extinguishing Media: | |
| Suitable extinguishing media: | Fire can be extinguished using: Foam, carbon dioxide or dry powder. |
| Unsuitable extinguishing media: | |
| 5.2 Special hazards arising from the substances or mixture: | |
| Hazardous combustion products: | Containers close to fire should be removed or cooled with water. No unusual fire or explosion hazards noted. When heated and in case of fire, toxic vapours/gases may be formed. |
| 5.3 Advice for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| 6 Accidental release measures | |
| 6.1 Personal precautions, protective equipment, and emergency procedures | |
| 6.1.1 For non-emergency personnel | |
| Protective equipment: | Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces. |
| Emergency procedures: | |
| 6.1.2 For Emergency responders | |
| 6.2 Environmental precautions | Do not discharge into drains, water courses or onto the ground. |
| 6.3 Methods for cleaning up – 6.3.1 For containment: | Absorb with inert, damp, non-combustible material, then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water |
| 6.3.2 For cleaning up: | |
| 6.3.3. Other information: | |
| 6.4 Reference to other sections | See protective measures under point 7 and 8. |
| 7. Handling and storage | |
| 7.1 Precautions for safe handling | |
| Protective measures: Prevent formation of aerosols. Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE. Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. | |
| Measures to prevent fire: | |

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| Measures to prevent aerosol and dust generation: | |
| Measures to protect the environment: | |
| Advice on general occupational hygiene: | 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 a tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flames. Protect from freezing and direct sunlight. |
| 7.2 Conditions for safe storage, including any incompatibilities | |
| Technical measures and storage conditions: | |
| Packaging Materials: | |
| Requirements for storage and vessels: | |
| Storage Class: Further information on storage containers: | Keep container tightly closed. |
| 7.3 Specific end use(s). | No additional data available. |
| Recommendations: | |
| Industrial sector specific solutions: | |

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| 8. Exposure controls/Personal protection: | |
| 8.1 Control parameters | No additional data available. |
| 8.2 Exposure controls | |
| Protective Equipment | If required wear goggles, gloves, overalls. |
| Process Conditions | Technical measures and the application of suitable work processes have priority over personal protection equipment. |
| Engineering Measures | No additional data available. |

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| 8.2.2 Personal Protection equipment: | |
| 8.2.2.1 Eye / face protection | If risk of splashing, wear safety goggles or face shield. Use protection goggles according to EN166. |
| 8.2.2.2 Skin Protection | Wear apron or protective clothing in case of splashes. |
| Hand protection | Protective gloves should be used if there is a risk of direct contact or splash. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Take recovery periods for skin regeneration. |
| Other skin protection | Wear appropriate clothing to prevent any possibility of skin contact. |
| Hygiene Measures | No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. |
| 8.2.2.3 Respiratory protection | No specific recommendation made, but respiratory protection may still be required under exceptional circumstances, when excessive air contamination exists. |
| Personal Protection | Use personal protection according to Directive 89/686/EEC. |
| Ventilation | |
| 8.2.2.4 Thermal hazards | |
| 8.2.3 Environmental exposure controls | Avoid discharging into drainage water. Only remove via authorised companies |
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| 9. Physical and chemical properties- C of A | |
| 9.1 Information on basic physical and chemical properties | |
| Colour | Clear |
| Appearance | Mobile oily liquid |
| Odour | Characterisic |
| Melting Point / freezing point | No additional data available. |
| Boiling point /Initial boiling point & boiling range | No additional data available. |
| Flammability | |
| Lower and upper explosion limit | |
| Flash point °C | 42°C |
| Auto- ignition temperature | No additional data available. |
| Decomposition temperature | |
| pH | |
| Kinematic Viscosity | |
| Solubility in Water @20°C | Insoluble in water |
| Solubility in other Solvents | |
| Partition coefficient n-octanol/ water (log value) | |
| Vapour Pressure | No additional data available. |
| Relative Density | 0.906 – 0.925 @ 20°C |
| Relative vapour density | |

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| Particle characteristics | |
| Explosive Properties | |
| Oxidising Properties | |
| 9.2 Other information | |
| Specific gravity d_{20}^{20} | |
| Optical rotation @ 20°C | |
| Refractive index | 1.457 – 1.470 @ 20°C |
| Typical analysis of major components | |


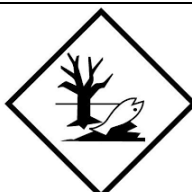
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| 10. Stability and reactivity | |
| 10.1 Reactivity | No dangerous reactions known. |
| 10.2 Chemical Stability | Stable under normal temperature conditions. |
| 10.3 Possibility of hazardous reactions: | No dangerous reactions expected if used according 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, CO ₂ , NO _x) may be formed. |

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| 11. Toxicological information | |
| 11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008 | |
| Information on Toxicological Effects | |
| Acute toxicity: | No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident. |
| Skin corrosion /irritation: | No specific health warnings noted. |
| Seriously eye damage/irritation: | Spray and vapour in the eyes may cause irritation and smarting. |
| Respiratory or skin sensitisation: | In high concentrations, vapours may irritate throat and respiratory system. |
| Germ cell mutagenicity: | No additional data available |
| Carcinogenicity: | No additional data available |
| Reproductive toxicity: | No additional data available |
| Summary of evaluation of the CMR properties: | |
| STOT- single exposure, | No additional data available |
| STOT-repeated exposure: | No additional data available |
| Aspiration hazard: | No additional data available |
| Photo-toxicity | No additional data available |

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| Other Information | No additional data available |
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| 12. Ecological information | |
| 12.1 Toxicity | No additional data available. |
| 12.2 Persistency & degradability | No additional data available. |
| 12.3 Bio accumulative potential | No additional data available. |
| 12.4 Mobility | No additional data available. |
| 12.5 Results of PBT and vPvB Assessment | No additional data available. |
| 12.6 Endocrine disrupting properties | |
| 12.7 Other adverse effects | No additional data available. |

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| 13. Disposal considerations | |
| 13.1 Waste treatment methods | Waste is suitable for incineration. |
| 13.1.1. Product /Packaging disposal: | Dispose of waste and residues in accordance with local authority requirements. |
| 13.1.2 Waste treatment-relevant information: | |
| 13.1.3 Sewage disposal-relevant information: | |
| 13.1.4 Other disposal-relevant recommendations: | Dispose of contents and container in accordance with local / regional / national / international regulations. |

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| 14. Transport information | |
| 14.1 UN Number or ID number Road / Sea / Air | 1169 |
| 14.2 UN proper Shipping name | EXTRACTS, AROMATIC , LIQUID |
| 14.3 Transport hazard class(es) ADR, IMDG |  3 Class 30 Hazard No (ADR) |
| Hazchem Code | 3YE |
| 14.4 Packing group ADR, IMDG | III |
| Tunnel Restriction Code | (D/E) |
| EMS | F-E, S-D |
| 14.5 Environmental hazards |  Environmentally Hazardous Substance / Marine Pollutant |
| 14.6 Special precautions for user | See Section 6 to 8 |

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| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Packed and transferred according to transport regulations. |
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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 the 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 18th December 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/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, and 93/105/EEC and 2000/21/EC including amendments. |
| 15.2 Chemical Safety Assessment | No additional information available. |

16. Other information

(i) **Indication of Changes: Revised Safety Data Sheet Format:** From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.

(ii) **Abbreviations and acronyms:**

DNEL: Derived No-Effect Level.

PNEC: Predicted No- Effect Concentration.

ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the International carriage of Dangerous goods by rail.

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Maritime Dangerous Goods.

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

WGK: Water Hazard Class.

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic

vPvB: Very Persistent and very Bio accumulative

Flam. Liq: Flammable Liquid

AT: Acute Toxicity – O = Oral / D = Dermal / I = Inhalation

Asp: Aspiration Hazard

Skin Corr/ Irrit: Skin Corrosion / Irritation

Skin Sens: Skin Sensation
Eye Dam/ Irrit: Eye damage / Irritation
Muta: Mutagenic
Carc: Carcinogenic
Resp: Respiration Sensitive
Repro: Reproductive Sensitive
EH A: Environmental Hazard Aquatic Acute
EH C: Environmental Hazard Aquatic Chronic

(iii) Key Literature references and sources of date.

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):

| Classification according to Regulation (EC) 1272/2008(CLP) | Classification procedure |
|--|--|
| (v) Relevant H-statements (number and full text): | |
| (vi) Training advice: | |
| (vii) Further information: | |
| Shelf life | Minimum 12 months when stored in the advised conditions. |

QC requirements

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

Disclaimer:

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.