


1. Identification of the substances / mixture and of the company/undertaking.			
1.1 Product identifier: Cajeput oil			
Substance name: Melaleuca Leucadendron Cajuputi Leaf Oil			
EC NO:	287-316-4	CAS NO: 8008-98-8	EINECS CAS Number: 85480-37-1
Index No:	Reach Registration No:		FEMA Number: 2225
1.2 Relevant identified uses of the substance or mixture and uses advised against			
Identified uses: Flavour and Fragrances. For manufacturing use only.			
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		

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	Asp.H, 1 – H304	Acute Tox. – Oral, 5 -H303
		Eye Dam/ Irrit. -2A -H319	Skin Irrit/ Corr. – 2 -H317
		Skin Sens. 1 – H315	
	Environment	Aquatic Acute. 2 – H410	Aquatic Chronic. 2 – H411
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard statements.			
H226	Flammable liquid and vapour.	H303	May be 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.
H410	Toxic to aquatic life.	H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements:			
P210	Keep away from heat, hot surface, sparks, open flames, and other ignition sources. No smoking.	P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.	P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor
P302+P352	IF ON SKIN: Wash with plenty of water.	P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P370+P378	In case of fire: Use appropriate media to extinguish.		
2.3 Other hazards – Results of PBT and vPvB			

3. 1 Composition / information on ingredients:			
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Cajeput Oil	ENIECS CAS NUMBER: 85480-37-1 CAS Number: 8008-98-8 EC Number: 287-316-4		

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product. Show the SDS to the doctor in attendance if required.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing difficulties continue seek medical attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists see medical 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.
4.2 Most important symptoms and effects, both acute and delayed:	
Aspiration may cause pulmonary oedema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.	

4.3 Indication of any immediate medical attention and special treatment need	
	No further information available.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Water spray, fog, Carbon dioxide (CO ₂), dry chemical or alcohol resistant foam.
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread the fire.
5.2 Special hazards arising from the substances or mixture	
Hazardous combustion products:	Fire may produce irritation, corrosive, and /or toxic gases.
5.3 Advice for firefighters	Fire-fighters must use standard equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural fire-fighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
Fire-fighting Equipment / Instructions	In case of fire and/or explosion do not breathe fumes. Use standard fire-fighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water run-off can cause environmental damage. Ventilated closed spaces before entering them. Keep run-off water out of the sewers and water sources. Dike for water control.
Specific Methods	Use water spray to cool unopened containers.
General Fire Hazards	Static charges generated by emptying package in or near flammable vapour may cause flash fire.
6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	Wear protective gloves, protective clothing, eye protection, face protection.
Emergency procedures:	Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust, or vapour.
6.1.2 For Emergency responders	Keep unnecessary personal away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
6.2 Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.
6.3 Methods for cleaning up – 6.3.1 For containment:	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material if this is without risk. Dike the spilled materials, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial absorbents, or recover using pumps. The product is immiscible with water and will

	spread on the water surface. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of a hazardous waste. Collect and dispose of spillage as indicated in Section 13 of the MSDS>
6.3.2 For cleaning up:	Large Spills: Stop the flow of material if this is without risk. Dike the spillage material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb with vermiculite, dry sand or earth and place into containers. Small Spills: Wipe up with absorbent material (e.g., cloth, fleece). Clean surface thoroughly to remove residual contamination.
6.3.3. Other information:	
6.4 Reference to other sections	

7. Handling and storage

7.1 Precautions for safe handling

Protective measures: Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Measures to prevent fire:	Do not handle or store near an open flame, heat, or other source of ignition. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges.
Measures to prevent aerosol and dust generation:	Ensure good ventilation/ exhaustion at the workplace Prevent formation of aerosols. Avoid breathing in vapour.
Measures to protect the environment:	
Advice on general occupational hygiene:	
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	Keep containers closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated.
Packaging Materials:	

Requirements for storage and vessels:	
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection	
8.1 Control parameters	
8.1.1.3. Occupational Exposure Limits.	This product has no PEL, TLV or other recommended exposure limit.
8.1.1.5 Biological Limit Values	No biological exposure limits noted for the ingredient(s).
8.2 Exposure controls	
8.2.1 Appropriate Engineering Controls	Use explosion- proof ventilation equipment to stay below exposure limits.
8.2.2 Personal Protection equipment	
8.2.2.1 Eye / face protection	Avoid contact with eyes. Chemical safety goggles are recommended
8.2.2.2 Skin Protection	Use of an impervious apron is recommended.
Hand protection	Compatible chemical -resistant gloves are recommended. Wash contaminated gloves before reuse.
Other skin protection	
8.2.2.3 Respiratory protection	Chemical respirator with organic vapour cartridge and full facepiece.
Ventilation	
8.2.2.4 Thermal hazards	Wear appropriate thermal protective clothing when necessary.
8.2.3 Environmental exposure controls	
General Hygiene Considerations	When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	
Appearance	Pale yellow, sometimes with green tint-white mobile liquid.
Odour	Fresh, mint, camphoraceous.

Odour Threshold	Not applicable.
Melting Point / freezing point	Not applicable.
Boiling point /Initial boiling point & boiling range	Not applicable.
Flammability	
Lower and upper explosion limit	
Flash point °C (Closed Cup)	54°C
Auto- ignition temperature	Not applicable.
Decomposition temperature.	Not applicable.
pH	Not applicable.
Kinematic Viscosity	
Solubility in Alcohol	1 vol. clear soluble in 9 vol. of 80% Ethanol.
Partition coefficient n-octanol/ water (log value)	Not applicable.
Vapour Pressure	Not applicable.
Density and /or relative density	
Relative vapour density	Not applicable.
Particle characteristics	
9.2 Other information	
Specific gravity @ 25°C	0.890 to 0.935
Optical rotation @ 25°C	-10 to +3
Refractive index @ 20°C	1.461 to 1.472
Typical analysis of major components	

10. Stability and reactivity

10.1 Reactivity	This product is stable and non-reactive under normal conditions of use, storage, and transport.
10.2 Chemical Stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	No dangerous reaction known under normal conditions of use.
10.4 Conditions to avoid:	Avoid heat, sparks, open flames, and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5 Incompatible Materials:	Strong oxidising agents.
10.6 Hazardous Decomposition Products	No hazardous decomposition products if stored and handled as indicated.

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008

Acute toxicity:	
Skin corrosion /irritation:	Causes skin irritation. May cause redness and pain. May cause allergic skin reaction. Dermatitis. Rash.
Seriously eye damage/irritation:	Causes serious eye irritation. Symptoms may include stringing tearing, redness, swelling and blurred vision.

Respiratory or skin sensitisation:	Inhalation: May be fatal if swallowed and enters airways. Not a respiratory sensitiser.
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	Not listed.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Summary of evaluation of the CMR properties:	
STOT- single exposure,	Not classified.
STOT-repeated exposure:	Not classified.
Aspiration hazard:	Ingestion: May be fatal if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Aspiration may cause pulmonary oedema and pneumonitis.

12. Ecological information

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistency degradability	No data available on the degradability of this product.
12.3 Bio accumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB Assessment	
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

13.1 Waste treatment methods	Do not discharge into the drains, water courses or into the ground. Do not allow this material to drain into sewers/water suppliers. Do not contaminate ponds, waterways, or ditches with chemical or used container.
13.1.1. Product /Packaging disposal:	Dispose of contents / containers in accordance with legal/regional/national/international regulations.
13.1.2 Waste treatment-relevant information:	Dispose in accordance with all applicable regulations. Hazardous Waste Code: Not established.
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

14.1 UN Number or ID number	UN1169
14.2 UN proper Shipping name. ADR, ICAO, IATA, IMDG	EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es) ADR, ICAO, IATA, IMDG	3
14.4 Packing group. ADR, ICAO, IATA, IMDG	III
14.5 Environmental hazards, ADR, IMDG	Yes.
Environmental hazards, ICAO, IATA	No
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	

15 Regulatory information

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

US Federal Regulations	This is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
EU Directives	Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC. And amending Regulation (EC) No> 1907/2006/
	IFRA/IOFI Labelling Manual 2017.
15.2 Chemical Safety Assessment	

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:**

RID: Reglement international concernant le transport des marchandises dangerousness par chemin de fer (Regulations Concerning the International Transport of Dangerous Good 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)

ADR: Accord eurpeen sur le transport des marchandises dangerousness par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic
vPvB: Very Persistent and very Bio accumulative

(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.