Penny Price Aromatherapy/ Aroma Formulations
SAFETY DATA SHEET
According to Regulation (EC) No.1272/2008

1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: LAUREL LEAF OIL		
Substance name:		
Biological Definition		
INCI Name		
Synonyms & Trade Names		
EC NO:	**CAS NO:**	**EINECS CAS Number:**
Index No:	**Reach Registration No:**	
1.2 Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.		
Identified uses: Multiple 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	

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	Muta. 2 – H341	Carc. 2 – H351
		Asp. Tox. 1 – H304	Skin Irrit. 2 – H315
		Eye Irrit. 2 – H319	Skin Sens. 1 – H317
	Environment	Aquatic Chronic. 2 – H411	

2.2 Label Element Labelling according to Regulation (EC) No.1272/2008: The product is classfied and labelled according to the CLP regulation.

Signal Word. DANGER	
Hazard-determining Components of Labelling	Eucalyptol Methyl Eugenol Alpha Pinene d-Limonene
Hazard statements.	

H226	Flammable liquid and vapour.	H228	Flammable solid.
H302	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.	H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.	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.
Precautionary statements.			
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.		
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE/doctor.		
P305+P361+P338	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P405	Store locked up.		
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.		
Supplementary Precautionary Statements:			
2.3 Other hazards:			
Results of PBT Assessment	Not applicable.		
Results of vPvB Assessment	Not applicable.		
Adverse Physio-chemical Properties			
Adverse Effects on Human Health			

3. 1 Composition / information on ingredients:			
Chemical Characterisation:			
Mixtures	**Description**	NCS (UVCB) Constituents Information	
Hazardous Components:			
Substance name	**Index number under CLP Annex VI**	**Weight % content (or range)**	**CL, M-Factor, ATE**
Eucalyptol	CAS: 470-82-6 EC: 207-431-5	50 -100%	Flam. Liq. 3, H226. Skin Sens. 1B, H317
Linalool	CAS: 78-70-6 EC: 201-134-4	10-25%	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alpha Pinene	CAS: 80-56-8 EC: 201-291-9	2.5 -10%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315

			Skin Sens. 1B, H317
d-limonene	CAS: 5989-27-5 EC: 227-813-5	2.5 -10%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315 Skin Sens. 1B, H317
Gamma Terinene	CAS: 99-85-4 EC: 202-794-6	≤2.5%	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Beta Pinene	CAS: 127-91-3 EC: 204-872-5	≤2.5%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315 Skin Sens. 1B, H317
P-cymene	CAS: 99-87-6 EC: 202-796-7	≤2.5%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Methyl Eugenol	CAS: 93-15-2 EC: 202-223-0	≤2.5%	Muta. 2, H341 Carc. 2, H351 Acute Tox. 4, H302
Eugenol	CAS: 97-53-0 EC: 202-589-1	≤2.5%	Eye Irrit. 2, H319 Skin Sens. 1B, H317
Terpinolene	CAS: 586-62-9 EC: 209-578-0	≤2.5%	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1B, H317
camphene	CAS: 79-92-5 EC: 201-234-8	≤2.5%	Flam. Sol. 2, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Eye Irrit. 2, H319
Additional Information	For the wording of the listed risk phrases refer to Section 16.		

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product.
Inhalation	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:	

	No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment need	
	No further relevant information available.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Carbon dioxide (CO2), powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media:	Water with full jet.
5.2 Special hazards arising from the substances or mixture: Carbon monoxide (CO).	
Hazardous combustion products:	
5.3 Advice for firefighters	No special measures required.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures: Wear protective equipment. Keep unprotected persons away.	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.
6.3 Methods for cleaning up – **6.3.1 For containment:**	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

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:	Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	Store only in unopened original receptacles. Keep receptacle tightly sealed. Store in the dark.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	No further relevant information available.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection: Additional information about Design of Technical Facilities. No further data: see item 7.	
8.1 Control parameters	
Ingredients with Limit Values that Require Monitoring at the Workplace	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Information	The lists valid during the making were used as basis.
8.2 Exposure controls	
Engineering Measures	Ensure good ventilation of working area.
8.2.2 Personal Protection equipment: No information available.	
General Protective and Hygienic Measures	Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.
8.2.2.1 Eye / face protection	Tightly sealed goggles.
8.2.2.2 Skin Protection	
Hand protection	Protective gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Other skin protection	
8.2.2.3 Respiratory protection	Not required.
Ventilation	
8.2.2.4 Thermal hazards	
8.2.3 Environmental exposure controls	
9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	According to product specification.
Appearance	Liquid
Odour	Characteristic
Melting Point / freezing point	Undetermined.
Boiling point /Initial boiling point & boiling range	
Flammability (Solid, gaseous)	Not applicable.
Lower and upper explosion limit	
Flash point (Closed Cup – ASTM D6450)	50°C
Auto- ignition temperature	Product is not self-igniting.

Danger of Explosion	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Evaporation Rate	Not determined.
Decomposition temperature	Not determined.
pH	
Kinematic Viscosity	
Solubility in / Miscibility with Water	Not miscible or difficult to mix.
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	
Density and /or relative density	
Relative vapour density	
Particle characteristics	
Explosive Properties	
Oxidising Properties	
9.2 Other information	No further relevant information available.
Specific gravity d_{20}^{20}	
Optical rotation @ 20^0C	
Refractive index @ 20^0 C	
Typical analysis of major components	

10. Stability and reactivity		
10.1 Reactivity	No further relevant information available.	
10.2 Chemical Stability	**Thermal Decomposition/ Conditions to Avoid**	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.	
10.4 Conditions to avoid:	No further relevant information available.	
10.5 Incompatible Materials:	No further relevant information available.	
10.6 Hazardous Decomposition Products	No further relevant information available.	

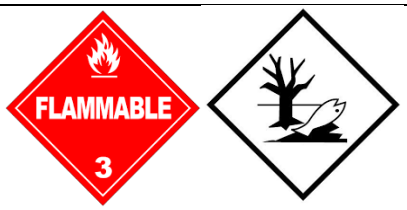
11. Toxicological information		
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008		
Information on Toxicological Effects		
Acute toxicity:	Based on available data, the classification criteria are not met.	
LD/LC50 Values Relevant for Classification		
80-26-2 Terpenyl Acetate		
Oral	LD50	5000 mg/kg (Rat).

Skin corrosion /irritation:	Causes skin irritation.
Seriously eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Suspected of causing genetic defects.
Carcinogenicity:	Suspected of causing cancer.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Summary of evaluation of the CMR properties:	
STOT- single exposure,	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	May be fatal if swallowed and enters airways.

12. Ecological information		
12.1 Toxicity	Aquatic Toxicity	No further relevant information available.
12.2 Persistency & degradability	No further relevant information available.	
12.3 Bio accumulative potential	No further relevant information available.	
12.4 Mobility in soil	No further relevant information available.	
Ecotoxical Effects	Toxic for fish. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.	
12.5 Results of PBT and vPvB Assessment	Not applicable.	
12.6 Endocrine disrupting properties		
12.7 Other adverse effects	No further relevant information available.	

13. Disposal considerations	
13.1 Waste treatment methods	Must not be disposed together with household rubbish. Do not allow product to reach sewage system.
13.1.1. Product /Packaging disposal:	Disposal must be made according to official regulations.
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	

13.1.4 Other disposal-relevant recommendations:	Dispose of contents / container in accordance with local / regional/ national / international / regulations.

14. Transport information	
14.1 UN Number or ID number ADR, IMDG, IATA	UN1993
14.2 UN proper Shipping name ADR	1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (Eucalyptol, Alpha Pinene)
IMDG	FLAMMABLE LIQUID, N.O.S. (Eucalyptol, Alpha Pinene), MARINE POLLUTANT
IATA	Flammable liquid, n.o.s. (Eucalyptol, Alpha-Pinene)
14.3 Transport hazard class(es)	
Transport Hazard Class(es) ADR Class Label	 3 (F1) Flammable liquids 3
IMDG Class Label	 3 Flammable Liquids 3
IATA Class Label	 3 Flammable Liquids 3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards Marine Pollutant	Product contains environmentally hazardous substances: Alpha Pinene, d-limonene. Symbol (fish and tree)
14.6 Special precautions for user Danger Code (Kemler) EMS Number Stowage Category	Warning: Flammable liquids. 30 F-E, S-E A
14.7 Maritime transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

Transport / Additional Information	
ADR Limited Quantities (LQ) Excepted Quantities (EQ) Transport Category Tunnel Restriction Code	 5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml 3 D/E
IMDG Limited Quantities (LQ) Excepted Quantities (EQ)	 5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml
UN "Model Regulation"	UN1993 FLAMMABLE LIQUID, N.O.S. (NOT VISCOUS) (EUCALYPTOL, ALPHA PINENE), 3, III

15 Regulatory information		
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture		
Directive 2012/18/EU	Named Dangerous Substances	ANNEX I – None of the ingredients is listed.
	Seveso Category	E2 – Hazardous to the Aquatic Environment. P5c FLAMMABLE LIQUIDS.
	Qualifying Quantity (tonnes) for the Application of Lower tier Requirements	200 t
	Qualifying Quantity (tonnes) for the Application of Upper tier Requirements	500 t
15.2 Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out.	

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" (LATA)
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.