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: Lavender Oil English		
Substance name:		
Biological Definition		
INCI Name		
Synonyms & Trade Names		
EC NO: 283-994-0	**CAS NO: 8000-28-0**	**EINECS CAS Number: 84776-65-8**
Index No:	**Reach Registration No:**	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Fragrances and flavours.		
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. Haz. 1 – H302	Acute Tox. 4 – H304
		Skin cor/ irrit. 2 – H315	Skin Sens. 1B – H317
		Eye dam/ irrit. 2 – H319	
	Environment	Aquatic Acute. 1 – H410	Aquatic Chronic. 3 – H412

2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:

Signal Word. DANGER

Hazard statements.

H226	Flammable Liquid and vapour	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.

H410	Very toxic to aquatic life with long lasting effects	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements.			
P210	Keep away from heat, sparks, open flames, and hot surfaces. No smoking.		
P233	Keep container tightly closed.		
P240	Ground / bond container and receiving equipment.		
P241	Use explosion-proof electrical, ventilating and lighting equipment.		
P242	Use only non-sparking tools.		
P243	Take precautionary measures against static discharge.		
P261	Avoid breathing vapour or dust.		
P264	Wash hands and other contacted skin thoroughly after handling.		
P270	Do not eat, drink, or smoke when using this product.		
P272	Contaminated work clothing should not be allowed out of the workplace.		
P273	Avoid release to the environment.		
P280	Wear protective gloves / eye protection / face protection.		
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.		
P301+P312	IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.		
P302+P352	IF ON SKIN: Wash with plenty of soap.		
P303+P361+P353	IF ON SKIN (or hair): Remove / 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.		
P330	Rinse mouth.		
P331	Do not induce vomiting.		
P332+P313	If skin irritation occurs: Get medical advice / attention.		
P333+P313	If skin irritation or rash occurs: Get medical advice / attention.		
P337+P313	If eye irritation persists: Get medical advice / attention.		
P362	Take off contaminated clothing and wash before reuse.		
P363	Wash contaminates clothing before reuse.		
P370+P378	In case of fire: Use Carbon dioxide, dry chemical, foam for extinction.		
P391	Collect spillage.		
P403+P235	Store in a well-ventilated place. Keep cool.		
P405	Store locked up.		
P501	Dispose of contents / containers in accordance with local / regional/national/ international regulations.		
Supplementary Precautionary Statements:			
2.3 Other hazards – Results of PBT and vPvB According to Annex XIII			

Adverse Physio-chemical Properties	
Adverse Effects on Human Health	

3. 1 Composition / information on ingredients:			
Substances	**Lavender Oil**		
Identification Number(s)	**EINECS CAS Number**	**84776-65-8**	
	CAS Number	**8000-28-0**	
	EC Number	**283-994-0**	

Substance name	**Index number under CLP Annex VI**	**Weight % content (or range)**	**CL, M-Factor, ATE**
Linalool	CAS No: 78-70-6 EC No: 201-134-4	37.50%	Skin Cor/ Irrit. 2 - H315 Eye Dam / Irrit. 2 - H317 Skin Sens. 1B - H319
Linalyl Acetate	CAS No: 115 -95-7 EC No: 204-116-4	31.00%	Skin Cor/ Irrit. 2 - H315 Eye Dam / Irrit. 2 - H317
Alpha Terpineol	CAS No: 98-55-5 EC No: 202-680-6	4.00%	Skin Cor/ Irrit. 2 - H315 Eye Dam / Irrit. 2 - H317
Beta Caryophyllene	CAS No: 87-44-5 EC NO: 201-746-1	4.00%	Skin Sens. 1B – H317 Asp. Hazard. 1 – H304
Cis Beta Ocimene	CAS No: 3338 –55-4 EC No: 222-081-3	3.00%	Flam. Liq. 3 – H226 Asp. Hazard. 1 – H304
1-Octen-3-yl Acetate	CAS No: 2442-10-6 EC NO: 219-474-7	1.50%	Acute Tox. Oral. 4 – H302 Skin Sens. 1B – H317
l-Limonene	CAS No: 5989-54-8 EC No: 227-815-6	1.00%	Flam. Liq. 3 – H226 Skin Corr / Irrit. 2 -H315 Skin Sens. 1B – H317 Asp. Hazard. 1 – H304 Aquatic Acute. 1 – H410 Aquatic Chronic. 1 – H412

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:	
	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.s
4.3 Indication of any immediate medical attention and special treatment need	
	None expected, see Section 4.1 for further information.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Carbon dioxide (CO2), dry chemical, foam.
Unsuitable extinguishing media:	
5.2 Special hazards arising from the substances or mixture:	
Hazardous combustion products:	In case of fire, may be liberated: Carbon monoxide (CO), unidentified organic compounds.
5.3 Advice for firefighters	In case of insufficient ventilation, wear suitable respiratory equipment.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures: Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	Keep away from drains, surface and ground water, and soil.
6.3 Methods for cleaning up – 6.3.1 For containment:	Remove ignition sources. Provide adequate ventilation. avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	Also refer to sections 8 and 13.

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:	Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices.
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 in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	Use in accordance with good manufacturing and industrial hygiene practices.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
8.1 Control parameters	

8.2 Exposure controls	Not applicable.
Engineering Measures	Ensure good ventilation of working area.
8.2.2 Personal Protection equipment	
8.2.2.1 Eye / face protection	Wear protective gloves/eye protection/face protection.
8.2.2.2 Skin Protection	
Hand protection	
Other skin protection	
8.2.2.3 Respiratory protection	Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. also refer to Sections 2 and 7.
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	Pale amber to yellow
Appearance	Mobile liquid.
Odour	Sweet, floral-herbaceous refreshing odour with a pleasant balsamic-woody undertone.
Melting Point / freezing point	Not determined.
Boiling point /Initial boiling point & boiling range	Not determined.
Evaporation Rate	Not determined.
Flammability (Solid, Gas)	Not determined.
Lower and upper explosion limit	Product does not present an explosion hazard.
Flash point ^{0}C	67°C
Auto- ignition temperature	Not determined.
Decomposition temperature	Not determined.
pH	Not determined.
Kinematic Viscosity	Not determined.
Solubility (ies)	Not determined.
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	Not determined.
Vapour Pressure	Not determined.

Density and /or relative density	Not determined.
Relative vapour density	0.8860 to 0.8960
Particle characteristics	
Explosive Properties	Not expected.
Oxidising Properties	Not expected.
9.2 Other information	None 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	Presents no significant reactivity hazard, by itself or in contact with water.
10.2 Chemical Stability	Good stability under normal storage conditions.
10.3 Possibility of hazardous reactions:	Not expected under normal conditions of use.
10.4 Conditions to avoid:	Avoid extreme heat.
10.5 Incompatible Materials:	Avoid contact with strong acids, alkalis, or oxidising agents.
10.6 Hazardous Decomposition Products	Not expected.

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.	
	Acute Toxicity Oral	>5000
	Acute Toxicity Dermal	Not applicable
	Acute Toxicity Inhalation	Not available.
Skin corrosion /irritation:	Skin Corrosion / Irritation category 2.	
Seriously eye damage/irritation:	Eye Damage / Irritation category 2.	
Respiratory or skin sensitisation:	Sensitisation – Skin category 1B.	
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.	
Carcinogenicity:	Based on available data, the classification criteria are not met.	
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:	Aspiration Hazard category 1

11.2 Information about hazardous ingredients in the mixture:

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ ATE Dermal	LC50/ATE Inhalation	LC50 Route
1-Octen-3-yl Acetate	2442-10-6	219-474-7	850	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

12. Ecological information	
12.1 Toxicity	Harmful to aquatic life with long lasting effects
12.2 Persistency & degradability	Not available
12.3 Bio accumulative potential	Not available
12.4 Mobility in soil	Not available
12.5 Results of PBT and vPvB Assessment	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	Not available.

13. Disposal considerations	
13.1 Waste treatment methods	Dispose of contents / containers in accordance with local/ regional/ national/ international regulations. Avoid disposing into drainage systems and into the environment.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	

14. Transport information	
14.1 UN Number or ID number	Not classified
14.2 UN proper Shipping name	Not classified
14.3 Transport hazard class(es)	Not classified
Sub Risk	Not classified
14.4 Packing group	Not classified
14.5 Environmental hazards	Not environmentally hazardous for transport.
14.6 Special precautions for user	None additional.

14.7 Maritime transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.	Not classified.

15 Regulatory information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	None additional.
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'.

Concentration % Limits	Aquatic Chronic. 3 = 25% Skin Corr/Irrit. 2 = 13.61% Eye Dam /Irrit. 2 = 13.79% SS 1 = 2.67%
Total Fractional Values	Aquatic Chronic. 3 = 4.00 Skin Corr /Irrit. 2 = 7.35 Eye Dam /Irrit. 2 = 7.25 Skin Sens. 1= 37.50

(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.