


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: Lavandin Abrialis		
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		
Identified uses: Multiple Uses		
Uses advised against: No further relevant information available.		
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. 4 – H227	
	Human Health	Eye Dam. 1 – H318	Acute. Tox. 4 - H332
		Skin Irrit. 2 – H315	Skin Sens. 1 – H317
		Acute Tox. 5 – H303	
	Environment	Aquatic Acute. 2 – H401	Aquatic Chronic. 3 – H412
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard-determining Components of Labelling			
Linalool			
Camphor Natural			
Linalyl Acetate			
Camphor			
Beta Caryophyllene			
d-Limonene			
Alpha Pinene			

Geranyl Acetate
1-Octen-3-yl Acetate

Hazard statements.

H226	Flammable liquid and vapour	H227	Combustible liquid
H228	Flammable solid	H302	Harmful if swallowed
H303	May be harmful if swallowed	H304	May be fatal ifswallowed and enters airways
H313	May be harmful in contact with skin	H315	Causes skin irritation
H316	Causes mild skin irritation	H317	May cause an allergic skin reaction
H318	Causes serious eye damage	H319	Causes serious eye irritation
H320	Causes eye irritation	H332	Harmful if inhaled
H336	May cause drowsiness or dizziness	H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to the lung. Route of exposure: Inhalation	H400	Very toxic to aquatic life
H401	Toxic to aquatic life	H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.	H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects	H413	May cause long lasting harmful effects to aquatic life.

Precautionary statements.

P210	Keep away from flames and hot surfaces. No smoking.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE / doctor.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

Supplementary Precautionary Statements:

2.3 Other hazards – Results of PBT and vPvB According to Annex XIII	Not applicable
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Adverse Physio-chemical Properties

Adverse Effects on Human Health

3. 1 Composition / information on ingredients:

Mixtures	Description	NCS (UNVB) Constituents Information
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Hazardous Components:

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
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Linalool	CAS: 78-70-6 EC: 201-134-4	25-50%	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Flam. Liq. 4, H227 Acute Tox. 5, H303 Aquatic Acute 3, H402
Linalyl Acetate	CAS: 115-95-7 EC: 204-116-4	10-25%	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Flam. Liq. 4, H227 Eye Irrit. 2B, H320 Aquatic Acute 3, H402
Eucalypto	CAS: 470-82-6 EC: 207-431-5	10-25%	Flam. Liq. 3, H226 Skin Sens. 1B, H317 Acute Tox. 5, H303 Eye Irrit. 2B, H320 Aquatic Acute 3, H402
Camphor Natural	CAS: 76-22-2 EC: 200-945-0	1-10%	Fla. Sol. 2, H228 STOT SE 2, H371 Eye Dam. 1, H318 Aquatic Chronic 2, H411 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Aquatic Acute 2, H401
Camphor	CAS: 76-22-2 EC: 200-945-0	1-10%	Fla. Sol. 2, H228 STOT SE 2, H371 Eye Dam. 1, H318 Aquatic Chronic 2, H411 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Aquatic Acute 2, H401
Beta Caryophyllene	CAS: 87-44-5 EC: 201-746-1	1-10%	Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
Borneol	CAS: 507-70-0 EC: 208-080-0	1-10%	Flam. Sol. 2, H228 Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Acute Tox. 5, H303 Aquatic Acute 2, H401
Lavandulyl Acetate	CAS: 25905-14-0 EC: 247-327-7	1-10%	Flam. Liq. 4, H227
Ocimene	CAS: 13877-91-3 EC: 237-641-2	1-10%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400

			Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Acute Tox. 5, H303
4-Carvomenthenol	CAS: 562-74-3 EC: 209-235-5	1-10%	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 STOT SE 3, H336 Flam. Liq. 4, H227 Acute Tox. 5, H313 Eye Irrit. 2B, H320 Aquatic Acute 2, H401
cis-beta-Ocimene	CAS: 3338-55-4 EC: 222-081-3	1-10%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Acute Tox. 5, H303
d-limonene	CAS: 5989-27-5 EC: 227-813-5	1-10%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Myrcene	CAS: 123-35-3 EC: 204-622-5	≤1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Alpha Pinene	CAS: 80-56-8 EC: 201-291-9	≤1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317
p-Mentha-1,4-diene	CAS: 99-85-4 EC: 202-794-6	≤1%	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304 Acute Tox. 5, H303 Skin Corr. 3, H316 Specific Concentration Limit: Repr. 2; H361: C ≥ 3%
p-cymene	CAS: 99-87-6 EC: 202-796-7	≤1%	Flam. Liq. 3, H226 Repr. 2, H361

			Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Acute Tox. 5, H303 Skin Corr. 3, H316 Aquatic Acute 2, H401 Specific Concentration Limit: Repr. 2; H361: C ≥ 3%
Geranyl Acetate	CAS: 105-87-3 EC: 203-341-5	≤1%	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
1-Octen-3-yl Acetate	CAS: 2442-10-6 EC: 219-474-7	≤1%	Acute Tox. 4, H302 Skin Sens. 1B, H317 Flam. Liq. 4, H227
Beta Pinene	CAS: 127-91-3 EC: 204-872-5	≤1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315 Skin Sens. 1B, H317
Coumarin	CAS: 91-64-5 EC: 202-086-7	≤1%	Acute Tox. 4, H302 Skin Sens. 1B, H317 Aquatic Acute 3, H402 ≤
For the wording of the listed hazard phrases refer to Section 16.			

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.
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 (CO ₂), 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:	
Hazardous combustion products:	Carbon monoxide (CO)
5.3 Advice for firefighters	Mount respiratory protective device.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	Wear protective equipment. Keep unprotected persons away.
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, workpits 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 –	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent. Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation.
6.3.1 For containment:	
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.
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:	Information about Storage in one Common Storage Facility: Not required.
7.3 Specific end use(s).	No further relevant information available.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
8.1 Control parameters	
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. Avoid contact with the skin. 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	<p>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.</p> <p>Material of Gloves: 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.</p> <p>Penetration Time of Glove Material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p>
Other skin protection	
8.2.2.3 Respiratory protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
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	Undetermined
Flammability (Solid, Gas)	Not applicable
Lower and upper explosion limit	Not determined
Flash point °C	66°C
Auto- ignition temperature	
Decomposition temperature	Not determined
pH Value	Not determined
Dynamic Viscosity	Not determined
Kinematic Viscosity	Not determined
Solubility in / Miscibility with Water	Not miscible or difficult
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	Not determined

Vapour Pressure	Not determined
Density and /or relative density	
Vapour density	Not determined
Evaporation Rate	Not determined
Particle characteristics	
Explosive Properties	
Oxidising Properties	
9.2 Other information	No further relevant information available.
Specific gravity d_{20}^{20}	
Optical rotation @ 20°C	
Refractive index @ 20°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 dangerous decomposition products known.	

11. Toxicological information			
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008			
Information on Toxicological Effects			
Acute toxicity:	LD / LC50 Values Relevant for Classification:		
Camphor Natural 76-22-2	Oral	LD50	1500 mg/kg (RAT)
	Inhalative	LC50/4h	1.5 mg/l (ATE)
Ocimene 13877-91-3	Oral	LD50	5000 mg/kg (rat)
cis-beta-Ocimene 3338-55-4	Oral	LD50	5000 mg/kg (rat)
Alpha Pinene 80-56-8	Oral	LD50	500 mg/kg (ATE)
		Acute Toxicity Estimate (ATE)	500 mg/kg (RAT)
Skin corrosion /irritation:	Irritant to skin and mucous membranes.		
Seriously eye damage/irritation:	Strong irritant with the danger of severe eye injury.		
Respiratory or skin sensitisation:	Sensitisation possible through skin contact.		

Germ cell mutagenicity:	
Carcinogenicity:	
Reproductive toxicity:	
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	
Additional Toxicological Information	The product shows the following dangers according to the calculation's method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful Irritant

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.	
Ecotoxicological Effects	Remark	Harmful to fish.
Additional Ecological Information	General Notes	Do not allow product to reach ground water, water course or sewage system, even in small quantities. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even extremely small quantities leak into the ground. Harmful to 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 garbage. 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.
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14. Transport information	
14.1 UN Number or ID number ADR, ADN, IMDG, IATA	Void
14.2 UN proper Shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, AND, IMDG, IATA	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards Marine Pollutant	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport / Additional Information	Not dangerous according to the above specifications.
ADR Remarks	Not dangerous
ADN Remarks	Not dangerous
IMDG Remarks	Not dangerous
IATA Remarks	Not dangerous
UN "Model Regulation"	Void

15 Regulatory information		
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture		
Directives 2012 /18 /EU	Named Dangerous Substances- ANNEX 1	None of the ingredients is listed.
15.2 Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out.	

16. Other information
<p>(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'.</p> <p>(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.</p>

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. Tox: 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
STOT SE: Special Target Organ Toxicity Single Exposure
STOT RE: Special Target Organ Toxicity Repeated Exposure

(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



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

contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.