


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: Valerian Root Oil FPD-2016A-LM1804		
Substance name:		
Biological Definition	Other identifier: Valerian extract	
INCI Name		
Synonyms & Trade Names		
EC NO:	CAS NO: 8057-49-6	EINECS CAS Number:
Index No:	Reach Registration No:	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Fragrances		
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. <u>Or call NHS 111 or NHS 999</u>	

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		
	Human Health	Skin Sens. 1 - H317	Asp. Hazard. 1 -H304
	Environment	Aquatic Long-term. 2 - H411	
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard statements.			
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.		
M factor:		None	
Supplemental Information:		None	

Precautionary statements.	
P261	Avoid breathing vapour or dust.
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 CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P331	Do not induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local 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

Product identifier: Valerian Root Oil;

CAS: 8057-49-6

Contains:

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Camphene	CAS: 79-92-5 EC: 201-234-8	10-<20%	Flam. Liq. 3- H226 Flam. Sol. 2- H228 Aquatic Acute 1- H410 Aquatic Chronic.1 -H410
alpha-Pinene	CAS: 80-56-8 EC: 201-291-9	5-<10%	Flam. Liq 3-H226 Skin Corr/Irrit 2-H315 Skin Sens. 1B- H317 Asp. Hazard. 1 – H304 Aquatic Acute. 1 – H410 Aquatic Chronic.1- H410
beta-Caryophyllene	CAS: 87-44-5 EC: 201-746-1	1-<5%	Skin Sens. 1B- H317 Asp.Hazard. 1- H304
dl-Limonene (racemic)	CAS: 138-86-3 EC: 205-341-0	1-<5%	Flam. Liq. 3-H226 Skin Corr/ Irrit. 2-H315 Skin Sens.1B -H317 Asp. Hazard. 1- H304 Aquatic Acute.1-H410 Aquatic Chronic.1- H410
beta-Pinene	CAS: 127-91-3	0.1-<1%	Flam.Liq. 3-H226

	EC: 204-872-5		Skin Corr/Irrit 2- H315 Skin Sens. 1B – H317 Asp. Hazard 1-H304 Aquatic Acute 1- H410 Aquatic Chronic 1- H410
Terpinolene	CAS: 586-62-9 EC: 209-578-0	0.1-<1%	Skin Sens. 1B- H317 Asp.Hazard. 1- H304 Aquatic Acute.1-H410 Aquatic Chronic.1 -H410

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.	
May cause an allergic skin reaction.	
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, Dry chemical, Foam.
Unsuitable extinguishing media:	
5.2 Special hazards arising from the substances or mixture: None	
Hazardous combustion products:	In case of fire, may be liberated: Carbon monoxide, 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	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.
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:	Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation.
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	Do not eat, drink or smoke when using this product
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).	Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
8.1 Control parameters	Workplace exposure limits: Not Applicable
8.2 Exposure controls	
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	
Appearance	Not determined
Odour	Not determined
Odour threshold	Not determined
Melting Point / freezing point	Not determined
Boiling point /Initial boiling point & boiling range	Not determined

Flammability (solid, gas)	Not determined
Lower and upper flammability or explosion limit	Product does not present an explosion hazard.
Flash point °C	85°C
Evaporation rate:	Not determined
Auto- ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Viscosity	Not determined
Solubility (ies):	Not determined
Solubility in other Solvents	
Partition coefficient n-octanol/ water	Not determined
Vapour Pressure	Not determined
Relative Density	Not determined
Vapour Density	Not determined
Particle characteristics	
Explosive Properties	Not expected
Oxidising Properties	Not expected
9.2 Other information	None available
Specific gravity	
Optical rotation @ 20°C	
Refractive index @ 20°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:	Based on available data the classification criteria are not met.
Seriously eye damage/irritation:	Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:	Sensitisation – Skin Category 1
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:	Based on available data the classification criteria are not met.
Information about hazardous ingredients in the mixture: Not Applicable Refer to Section 2 and 3 for additional information.	

12. Ecological information	
12.1 Toxicity	Toxic 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 in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.
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:	Dipose of contents / container in accordance with local / regional / national / international regulations.

14. Transport information	
14.1 UN Number or ID number	UN3082
14.2 UN proper Shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Camphene, alpha-Pinene)
14.3 Transport hazard class(es) Sub Risk:	9 -
14.4 Packing group	III
14.5 Environmental hazards	This is an environmentally hazardous substances.
14.6 Special precautions for user	None additional/

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	None additional
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15 Regulatory information

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

Concentration % Limits:	EH C2=11.31% EH C3=1.13% SS 1=14.29% AH 1=24.39%
Total Fractional Values:	EH C2=8.84 EH C3=88.40 SS 1=7.00 AH 1=4.10
Key to revisions:	Not applicable
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:**

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

Abbreviation

Meaning

AH 1	Aspiration Hazard Category 1
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
FL 3	Flammable Liquid, Hazard Category 3
FS 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H228	Flammable solid.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
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.
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 CENTER or doctor/physician.
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.	
P331	Do not induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated 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/container to approved disposal site, in accordance with local regulations.
SCI 2 Skin Corrosion / Irritation Category 2	
SS 1B Sensitization - Skin Category 1B	

(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.	