


<b>1. Identification of the substances / mixture and of the company/undertaking.</b>			
<b>1.1 Product identifier: Elemi Oil Pure</b>			
<b>Substance name: Article number: HRFUK203</b>			
<b>EC NO: 945-898-3</b>	<b>CAS NO: 8023-89-0</b>	<b>EINECS CAS Number:</b>	
<b>Index No:</b>	<b>Reach Registration No: 01-2120735788-38-0000</b>		
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>			
<b>Identified uses:</b> Multiple uses			
<b>Uses advised against:</b>			
<b>1.3 Details of the supplier of the safety data sheet</b>			
<b>Company</b>	Penny Price Aromatherapy Ltd		
	Unit D3 Radius Court		
	Maple Drive		
	Hinckley		
	Leicestershire LE10 3BE		
<b>Email</b>	info@penny-price.com		
<b>1.4 Emergency Telephone Number</b>	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. <u>Or call NHS 111 or NHS 999</u>		

<b>2. Hazards Identification</b>			
<b>2.1 Classification of the substance or mixture</b>			
<b>Classified according to Regulation (EC) 1272/2008 (CLP) as amended</b>	Physical and Chemical Hazards	Flam. Liq. 3 – H226	
	Human Health	Acute. Tox. 4 -	Skin Irrit. 2 – H315
		Eye Irrit. 2 – H319	Skin Sens. 1 – H317
		Skin Sens. 1B – H317	Asp. Tox. 1 – H304
		Muta. 2 – H341	Carc. 2 – H351
	Environment	Aquatic Acute. 1 – H400	Aquatic Chronic. 1- H410
Aquatic Chronic. 2 - H411			
<b>2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:</b>			
			
<b>Signal Word. DANGER</b>			
<b>Hazard statements.</b>			
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
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.**

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER / doctor
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water /shower.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents / container in accordance with local/ regional / national/ international regulations.

**2.3 Other hazards – Results of PBT and vPvB**

	Not applicable.
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**3. 1 Composition / information on ingredients:**

**Registration name (EC no): Essential oil of Canarium commune (Burseraceae) obtained from gum by steam distillation (945-898-3)**

**Other identifiers, EC and CAS:**

**Elemi oil, Canarium luzonicum (CAS: 8023-89-0 / 9000-75-3, EINECS: 232-557-2)**

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
d-Limonene	CAS: 68647 -72 -3 EINECS: 227-813-5 Reg.nr: 01-2119529223-47-0041	50-90%	Flam. Liq. 3 – H226 Asp. Tox. 1 - H304 Aquatic Acute. 1 - H400 Aquatic Chronic. 1 - H410 Skin Irrit. 2 -H315 Skin Sens. 1 – H317
alpha-Phellandrene	CAS: 99-83-2 EINECS: 202-792-5	10-25%	Flam. Liq. 3 – H226 ASP. Tox. 1 – H304
alpha-Terpineol	CAS: 99-55-5 EINECS: 202-680-6	≤2.5%	Skin Irrit. 2 -H315 Eye Irrit. 2 -H319
p-cymene	CAS: 99-87-6 EINECS: 202-796-7	≤2.5%	Flam. Liq. 3 – H226 Asp. Tox. 1 -H304 Aquatic Chronic. 2 -H411
terpinolene	CAS: 586-62-9 EINECS: 209-578-0	≤2.5%	Asp. Tox. 1 - H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410

			Skin Sens. 1B – H317
4-allylveratrole (methyl eugenol natural)	CAS: 93-15-2 EINECS: 202-223-0	≤2.5%	Muta. 2 – H341 Carc. 2 – H351 Acute Tox. 4 – H302
Alpha-Pinene	CAS: 80-56-8 EINECS: 201-291-9 Reg. nr. 01-2119979519-16-XXXX	≤2.5%	Flam. Liq. 3 – H226 Asp. Tox. 1 - H304 Aquatic Acute. 1 - H400 Aquatic Chronic. 1 - H410 Acute Tox. 4 - H302 Skin Irrit. 3 – H315 Skin Sens. 1B – H317

#### **4. First Aid Measures**

<b>4.1 General</b>	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.
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.
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#### **4.3 Indication of any immediate medical attention and special treatment need**

	No further relevant information available.
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#### **5. Firefighting Measures**

##### **5.1 Extinguishing Media:**

<b>Suitable extinguishing media:</b>	CO <sub>2</sub> , power, or water spray. Fight larger fires with water spray or alcohol resistant foam.
<b>Unsuitable extinguishing media:</b>	Water with full jet.

##### **5.2 Special hazards arising from the substances or mixture**

<b>Hazardous combustion products:</b>	Carbon monoxide (CO)
<b>Advice for firefighters</b>	Protective equipment: No special measures required.

#### **6 Accidental release measures**

##### **6.1 Personal precautions, protective equipment, and emergency procedures:**

###### **6.1.1 For non-emergency personnel; Keep unprotected persons away.**

<b>Protective equipment:</b>	Wear protective equipment.
<b>Emergency procedures:</b>	

<b>6.1.2 For Emergency responders</b>	
<b>6.2 Environmental precautions</b>	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 the water course or sewage system. Do not allow to enter sewers / surface or ground water.
<b>6.3 Methods for cleaning up – 6.3.1 For containment:</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal blinders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
<b>6.3.2 For cleaning up:</b>	
<b>6.3.3. Other information:</b>	
<b>6.4 Reference to other sections</b>	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:**

Ensure good ventilation / exhaustion at the workplace.  
Prevent formation of aerosols.

**Measures to prevent fire:**

Keep away from sources of ignition. Do not smoke.  
Protect against electrostatic charges.

**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:**

<b>Requirements for storage and vessels:</b>	
<b>Storage Class: Further information on storage containers:</b>	<b>Requirements to be met by storerooms and receptacles:</b> Store only in unopened original receptacles. <b>Information about storage in one common storage facility:</b> Not required. Keep receptacle tightly sealed. Store in the dark.
<b>7.3 Specific end use(s).</b>	No further relevant information available.
<b>Recommendations:</b>	
<b>Industrial sector specific solutions:</b>	

<b>8. Exposure controls/Personal protection</b>	
<b>8.1 Control parameters</b>	<b>Ingredients with limited values that required monitoring at the workplace:</b> Not required. <b>Additional information:</b> The lists valid during the making were used as basis.
<b>8.2 Exposure controls</b>	
<b>Engineering Measures</b>	
<b>8.2.2 Personal Protection equipment:</b>	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 eyes and skin.
8.2.2.1 Eye / face protection	Tightly sealed goggles.
8.2.2.2 Skin Protection	
Hand protection	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 <b>. Material of gloves</b> Nitrile rubber, NBR 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. <b>. Penetration time of glove material</b> 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	
<b>8.2.3 Environmental exposure controls</b>	
<b>9. Physical and chemical properties- C of A</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
Colour	According to product specification.
Appearance	Liquid
Odour	Characteristic.
Melting Point / freezing point	Undetermined
Boiling point /Initial boiling point & boiling range	
Flammability (solid, gas):	Not applicable
Lower and upper explosion limit	
Flash point °C (closed cup – ASTM D6450);	52°C
Auto- ignition temperature	Not applicable
Decomposition temperature	Not applicable
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 at 20°C	0.865 -0.875
Evaporation rate	Not determined
Relative vapour density	
Particle characteristics	
Explosive Properties	Product is not explosive. However, formation of explosive air / vapour mixtures are possible.
Oxidising Properties	
<b>9.2 Other information</b>	No further relevant information available.
Specific gravity $d_{20}^{20}$	
Optical rotation @ 20°C	
Refractive index @ 20°C	
Typical analysis of major components	

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

<b>11. Toxicological information</b>	
<b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008</b>	
. Information on toxicology effects	
. <b>Acute toxicity.</b> Based on available data, the classification criteria are not met.	
<b>Information on Toxicological Effects</b>	. LD/LC50 values relevant for classification:
<b>99-83-2 alpha-Phellandrene</b>	
<b>Oral</b>	LD50 5, 700 mg /kg (Rat)
<b>Dermal</b>	LD50 >5,000 mg /kg (LAP)
<b>586-62-9 terpinolene</b>	
<b>Oral</b>	LD50 4,390 mg/kg (Rat)
<b>Dermal</b>	LD50 >5, 000 mg / kg (LAP)
<b>80-56-8 alpha-Pinene</b>	
<b>Oral</b>	LD50 3, 700 mg /kg (Rat)
<b>Dermal</b>	LD50 >5, 000 mg/kg (LAP)
<b>Skin corrosion /irritation:</b>	Causes skin irritation
<b>Seriously eye damage/irritation:</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation:</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity:</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity:</b>	Based on available data, the classification criteria are not met.
<b>Summary of evaluation of the CMR properties:</b>	
<b>STOT- single exposure,</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	May be fatal if swallowed and enters airways.

<b>12. Ecological information</b>	
<b>12.1 Toxicity</b>	. Aquatic toxicity: No further relevant information available.

<b>12.2 Persistency &amp; degradability</b>	No further relevant information available.
<b>12.3 Bio accumulative potential</b>	No further relevant information available.
<b>12.4 Mobility in soil</b>	No further relevant information available. <b>Ecotoxicological effects:</b> . <b>Remark:</b> Very toxic for fish. <b>Additional ecological information:</b> . <b>General notes:</b> 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. Very toxic for aquatic or organisms.
<b>12.5 Results of PBT and vPvB Assessment</b>	Not applicable.
<b>12.6 Endocrine disrupting properties</b>	
<b>12.7 Other adverse effects</b>	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 in accordance 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	UN1169
14.2 UN proper Shipping name. . ADR . IMDG . IATA	1169 EXTRACTS, AROMATIC LIQUID EXTRACTS, AROMATIC, LIQUID (d-limonene, CYMENES), MARINE POLLUTANT EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es) . ADR	



. Class . Label	 3 (F1) Flammable liquids 3
. IMDG . Class . Label	 3 Flammable liquids 3
. IATA . Class . Label	 3 Flammable liquid 3
14.4 Packing group . ADR, IMDG, IATA	III
14.5 Environmental hazards . Marine pollutant:	Product contains environmentally hazardous substances: d-Limoene Yes Symbol (fish and tree)
14.6 Special precautions for user . Danger code (Kemler). . EMS Number: . Stowage Category	Warning: Flammable 30 F-E, S-D A
14.7 Maritime transport in according to IMO instruments	Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.
<b>Transport / Additional information:</b>	
. ADR . Limited quantities (LQ) . Excepted quantities (EQ) . Transport category . Tunnel restriction code	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 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: 1000 ml
. UN "Model Regulation": UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III	

## 15 Regulatory information

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

. Directives 2012/18/EU . Named dangerous substances . Seveso category	ANNEX I Substances is not listed. E1 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS . <b>Qualifying quantity (tonnes) for the application of lower-tier requirements</b> 100t . <b>Qualifying quantity (tonnes) for the application of upper-tier requirements</b> 200t <b>REGULATION (EC) No 1907/2006 ANNEX XV11;</b> Conditions of restrictions: 3, 40
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:**

**RID:** Reglement international concernant le transport des marschandisees dangereuses 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" (LATA)

**ICAO:** International Civil Aviation Organisation

**ICAO-TI:** Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)

**ADR:** Accord eurpeen sur le transport des marchandises dangereuses 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

**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
<b>(v) Relevant H-statements (number and full text):</b>	
<b>(vi) Training advice:</b>	
<b>(vii) Further information:</b>	
<b>Shelf life</b>	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.