

**MATERIAL SAFETY DATA SHEET**

<b>1. Substance and Company Information</b>					
Product name			<b>Petitgrain oil</b>		
Company			Penny Price Aromatherapy Ltd		
			The Stables		
			41 Leicester Road		
			Hinckley		
			Leicestershire LE10 1LW		
Emergency Telephone Number			00 44 (0) 1455 251020		
<b>2. Composition/Ingredient Information</b>					
H-No:	3301-1	CAS No:	8014-17-3	Status:	Natural
CoE No:	-	FEMA	2855	Additives:	None
FDA	182.20	IFRA	Not restricted	RTECS:	-
RIFM	monograph	EINECS:	-	FCCIV:	-
INCI name	<i>Citrus aurantium</i>				
<b>3. Hazards Identification</b>					
Concentrated product. Do not ingest. Observe good housekeeping procedures					
<b>4. First Aid Procedure</b>					
Inhalation	Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.				
Eye contact	Rinse immediately with plenty of cold water for at least 5 minutes. Contact a doctor is symptoms persist.				
Skin contact	Remove contaminated clothes. Wash thoroughly soap and water, flush with plenty of water. If irritation persists seek medical attention.				
Ingestion	Rinse mouth out with soap and water. Seek medical advise at once.				
Other	When assessing action take Risk and Safety Phrases (section 15) in to account				
<b>5. Fire fighting measures</b>					
Suitable extinguishing media	Use CO2 dry powder or foam type of extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.				
Special measures	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus and protective clothing				
Extinguishing procedures	Closed containers may build up pressure when exposed when exposed to heat and should be cooled with water spray				
<b>6 Accidental release measures</b>					
Personal precautions	Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment (safety glasses, waterproof boots, suitable protective clothing) in case of major spillages.				
Environmental precautions	Keep away from drains, soils, surface and ground waters				
Methods for cleaning up	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic material, or sweep up and remove to an approved disposal container. Observe state federal and local disposal regulations.				
<b>7. Handling and storage</b>					
Handling	Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene and do not eat, drink or smoke whilst handling. Avoid static discharge				
Storage	Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum.				
Fire protection	Keep away from ignition courses and naked flames. Take precautions to avoid static discharge in working areas.				
<b>8. Exposure controls/Personal protection</b>					
Respiratory protection	Avoid breathing product vapour. Apply local ventilation where possible.				
Ventilation	Ensure good ventilation of working area				
Hand protection	Avoid all skin contact. Use chemically resistant gloves if required.				
Eye protection	Use safety glasses				
Work/hygiene practices	Wash hands with soap and water after handling.				
<b>9. Physical and chemical properties</b>					
Colour	Pale yellow				
Appearance	Clear liquid				
Odour	Plesant and characteristic: reminding of linalyl acetate				
Flash point °C	66				



Specific gravity $d_{20}^{20}$	0.8840 to 0.8920
Optical rotation @ 20°C	-35° to - 0°
Refractive index @ 20°C	1.4570 to 1.4650
Solubility in 70% ethanol @ 20°C	Soluble 1+4
Solubility in vegetable oils	-
Solubility in water	-
Typical analysis of major components	<p> <math>\alpha</math>-pinene, 0.18% <math>\beta</math>-pinene 0.12% sabinene 1.13% cyclofenchene 0.24% myrcene  2.20% limonene 3.60% E-<math>\alpha</math>-ocimene 0.76% Z-<math>\alpha</math>-ocimene 2.02% terpinolene tr  linalool oxide a tr linalool oxide b tr linalool 21.07% linalool acetate 49.17% <math>\alpha</math>-  caryophyllene 0.87% teroinen-4-ol tr <math>\alpha</math>-terpinenol 6.27% neryl acetate 2.80%  geranyl acetate 4.71% nerol 1.7% bicyclogemacrene tr geraniol 2.97% nerolidol tr </p>
<b>10. Stability and reactivity</b>	
Reactivity	It presents no significant reactivity hazards, by itself or in contact with stron acids, alkalis or oxidising agents.
Decomposition	Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.
<b>11. Toxicological information</b>	
Non sensitising and non-toxic in usual aromatherapy dose	
<b>12. Ecological information</b>	
Biodegradability	Data not available
Precautions	Prevent surface contamination of soil, ground and surface water.
<b>13. Disposal considerations</b>	
Waste material	Avoid disposing to a drainage system and into the environment. Seek expert advice.
<b>14. Transport information</b>	
Road (ADR/RID)	-
Air (IATA/ICAO)	-
Sea (IMDG)	-
UN1993	-
<b>15 Regulatory information</b>	
Hazards	-
Symbols	-
Risk phases	-
Safety phases	-
<b>16. Other information</b>	
Concentrated % limits	-
<b>Packaging</b>	<b>Type and suitability</b>
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No
<b>Shelf life</b>	
Minimum 12 months when stored in the advised conditions	
<b>QC requirements</b>	
In line with general product specification. Always satisfy suitability for specific application. Retest after 12 months.	
<p>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 users responsibility to determine safe conditions for the use of this product and to assume liability for loo, 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.</p>	